DENON

For Europe & U.K. model

SERVICE MANUAL

Ver. 2

MODEL DRW-695

STEREO CASSETTE TAPE DECK

注　意

サービスをおこなう前に、このサービスマニュアルを必ずお読みください。本機は、火災、感電、けがなどに対する安全性を確保するために、さまざまな配慮をおこなっており、また法的には「電気用品安全法」にもとづき、所定の許可を得て製造されております。従ってサービスをおこなう際は、これらの安全性が維持されるよう、このサービスマニュアルに記載されている注意事項を必ずお守りください。

- For purposes of improvement, specifications and design are subject to change without notice.
- 本機の仕様は性能改良のため、予告なく変更することがあります。
- 補修用性能部品の保有期間は、製造打切後6年です。

- Please use this service manual with referring to the operating instructions without fail.
- 修理の際は、必ず取扱説明書を参照の上、作業を行ってください。

- Some illustrations using in this service manual are slightly different from the actual set.
- 本文中に使用しているイラストは、説明の都合上現物と多少異なる場合があります。

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X0185V.02 DE/CDM 0310

SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the unit is defective.

注　意　サービス、点検時には次のことにご注意願います。

◉注意事項をお守りください！

サービスのとき特に注意を必要とする個所については、キャビネット、部品、シャーシなどにラベルや捺印で、注意事項を表示しています。これらの注意書きおよび取扱説明書などの注意事項を必ずお守りください。

◉感電に注意！

(1) このセットは、交流電圧が印加されていますので、通電時に内部金属部に触れると感電することがあります。従って通電サービス時には、絶縁トランスの使用や手袋の着用、部品交換には、電源プラグを抜くなどして、感電にご注意ください。

(2) 内部には、高電圧の部分がありますので、通電時の取扱には、十分ご注意ください。

◉指定部品の使用！

セットの部品は難燃性や耐電圧など安全上の特性を持ったものとなっています。従って交換部品は、使用されていたものと同じ特性の部品を使用してください。特に配線図、部品表に⚠印で指定されている安全上重要な部品は必ず指定のものをご使用ください。

◉部品の取付けや配線の引きまわしは、元どおりに！

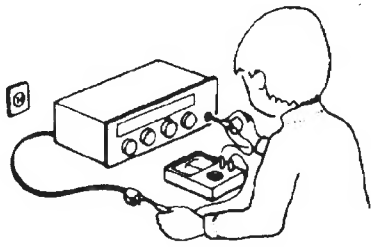
安全上、テープやチューブなどの絶縁材料を使用したり、プリント基板から浮かして取付けた部品があります。また内部配線は引きまわしやクランパーによって発熱部品や高圧部品に接近しないように配慮されていますので、これらは必ず元どおりにしてください。

◉サービス後は安全点検を！

サービスのために取り外したねじ、部品、配線などが元どおりになっているか、またサービスした個所の周辺を劣化させてしまったところがないかなどを点検し、外部金属端子部と、電源プラグの刃の間の絶縁チェックをおこなうなど、安全性が確保されていることを確認してください。

（絶縁チェックの方法）

電源コンセントから電源プラグを抜き、アンテナや、プラグなどを外し、電源スイッチを入れます。500V絶縁抵抗計を用いて、電源プラグのそれぞれの端子と、外部露出金属部〔アンテナ端子、ヘッドホン端子、マイク端子、入力端子など〕との間で、絶縁抵抗値が1MΩ以上であること、この値以下のときは、セットの点検修理が必要です。



注　意　安全上重要な部品について

本機に使用している多くの電気部品、および機構部品は安全上、特別な特性を持っています。この特性はほとんどの場合、外観では判別つきにくく、また、もとの部品より高い定格（定格電力、耐圧）を持ったものを使用しても安全性が維持されるとは、限りません。安全上の特性を持った部品は、このサービスマニュアルの配線図、部品表につぎのように表示していますので、必ず指定されている部品番号のものを使用願います。

(1)配線図… ⚠マークで表示しています。

(2)部品表… ⚠マークで表示しています。
指定された部品と異なるものを使用した場合には、感電、火災などの危険を生じる恐れがあります。

BUNDLE DIAGRAM

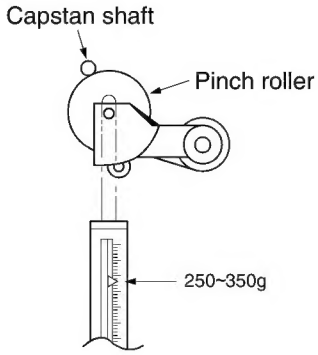
ALIGNMENT AND ADJUSTMENT

1. Replacing the Pinch Roller

Before replacing the pinch roller, clean the tape contact surface of the pinch roller and the capstan shaft.
Most causes of poor tape transport can be traced to dirty pinch roller and capstan shaft.
Remove the clips that press the pinch roller and pull the pinch roller forward to remove it.
After replacing, run a padless C-90 tape to check for tape curls at the tape guide section of the head.

2. Checking the Pressure Force of the Pinch Roller

In the playback mode, hook a spring weight onto the bracket at the center of the pinch roller. After separating the pinch roller from the capstan shaft, allow the pinch roller to contact the capstan shaft again. Check to make sure the spring weight reads between 250~350 g when the pinch roller starts to rotate.
Replace the pinch roller when it does not conform to the standard specification values.



3. Replacing the Record/Playback Head

(1) How to remove the R/P HEAD.
1) Remove securing screw and azimuth adjusting screw from the record/playback head.
2) Remove the soldered head wire and disassemble the mechanical unit to remove the record/playback head.

(2) How to assemble the R/P HEAD.
Reverse the above (1) procedures for removing the R/P HEAD.

*Solder the HEAD WIRE according to the diagram.

4. Checking the Take-up Torque

Load the cassette type torque meter (SONY TW2111). Check to make sure that the average torque meter reading is within 30-70 g-cm during playback.

5. Checking the FF and REW Torques

Load the cassette type torque meter (SONY TW2231). Check to make sure the torque meter indicates within 80~170 g-cm at the end of FF and REW.

6. Checking the Back Tension Torque During Record/Playback

Load the cassette type torque meter (SONY TW2111); check to make sure the torque meter reads between 2~6 g-cm during playback and that there is no unevenness. If it is not within this range, replace the reel assíy or Washer.

7. Checking the FF and REW Times

Load a C-60 cassette type (DENON GR-2/60); check to make sure the tape is fast forwarded or rewound within 120 seconds. If it is not within this range, check sections 5 and 6.

8. Checking the Existence of a Cassette Housing and Operation of the Erase Prevention, Metal and Chrome Switch

Confirm that the sensor arm properly detecting the tape type detection holes on the cassette housing.

ADJUSTING THE ELECTRICAL SECTIONS

Measuring instruments necessary for adjustments

(1) Audio signal generator
(2) Variable resistance attenuator
(3) Electronic voltmeter
(4) Oscilloscope
(5) Frequency counter
(6) Adjustment screwdriver
(7) Trap coil adjustment square stick
(8) Test tapes (SONY TY-224)
(A-BEX TCC-130, TCC-153, TCC-262B/162B)
(TDK-AC-514 (TYPE II))
(9) Transport Check cassette tape (A-BEX TCC-902)
(10) Lead line with alligator clip

Caution on adjusting

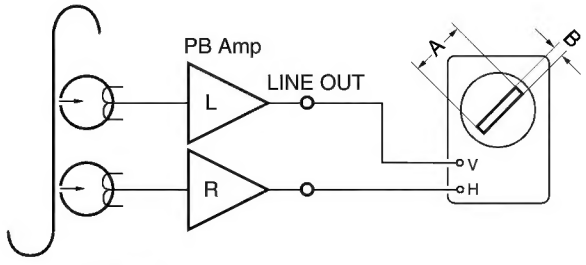
(1) Before adjusting, clean the head surface, capstan and the pinch roller with a gauze or a cotton swab moistened with alcohol.
(2) Demagnetize the R/P HEAD and the E. HEAD with a head eraser.
(3) Completely demagnetize the adjustment screwdriver.
(4) Unless instructed otherwise, set the various controls as follows:
• INPUT volume: maximum
• DOLBY NR switch: OFF
• BIAS volume: Center click position

1. Tape Transport Check

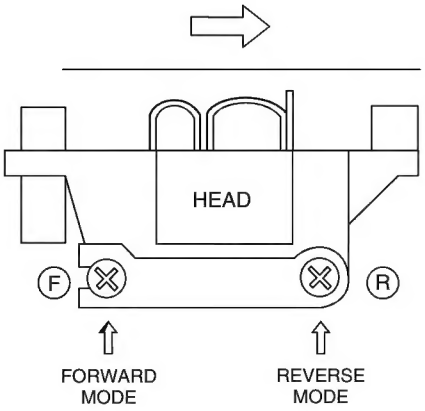
Load the transport check cassette. In the operational mode, illuminate the fixing guides of the R/P HEAD with a lamp and check to make sure the tape edge does not come in contact with the tape guide section.
The tape transport is the most important element in determinig the performance of a cassette deck.
Avoid moving the various adjustment screws, nuts, etc., as much as possible. Refer to the pages on “Adjusting and Checking the Mechanism Section” when replacing or adjusting the R/P HEAD.

2. Adjusting the Azimuth

(1) After completing the tape transport check, load the test tape (A-BEX TCC-153).
(2) Playback the test tape; adjust the azimuth screw so that section A of the Lissajous wave form is maximum and section B is minimum.



A-BEX TCC-153

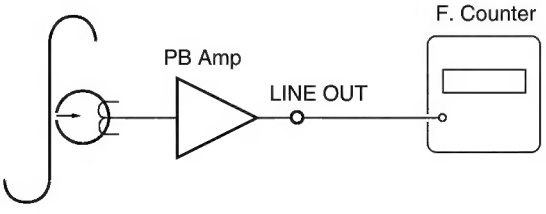


3. Checking and Adjusting the Tape Speed

(1) Connect the frequency counter to the LINE OUT terminal and load test tape (SONY TY-224).

(2) Load cassette tapes on both cassette decks A and B. Next, on the deck (A or B) whose speed is to be adjusted, while holding down the PLAY, FF and REW buttons together, press the POWER switch.
After the power has been on for about two seconds, the Remote Control Indicator “■” in Display will light up and the cassette deck will begin to play in speed adjustment mode.
(Speed adjustments can not be made, unless this mode is first selected.)

(3) At first high speed adjustments, press the DUBBING SPEED “HIGH” button and use Meter Unit RT554 for Cassette Deck A and RT552 for Cassette Deck B.
Next normal speed adjustments, press the DUBBING SPEED “NORMAL” button and use Meter Unit RT553 for Cassette Deck A and RT551 for Cassette Deck B.
(Note that speed adjustment mode is cancelled when the tape is ejected.)



SONY TY-224

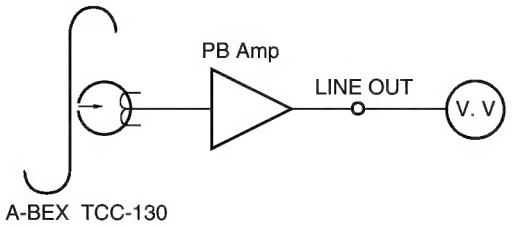
Mode	A/B	Adjusting volume Number	F. counter (Hz)
Normal Speed	A	RT-553	3020±10
	B	RT-551	3010±10
High Speed	A	RT-554	6030±20
	B	RT-552	6030±20

4. Adjusting the Playback Section

(1) Adjusting the playback level

A-deck: Playback the Dolby standard level test tape (A-BEX TCC-130) and adjust VR207 (Lch), VR204 (Rch) so that the LINE OUT voltage becomes 0 dB (775 mV).

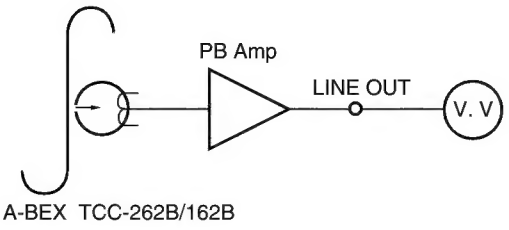
B-deck: Playback the Dolby standard level test tape (A-BEX TCC-130) and adjust VR206 (Lch), VR203 (Rch) so that the LINE OUT voltage becomes 0 dB (775 mV).



A-BEX TCC-130

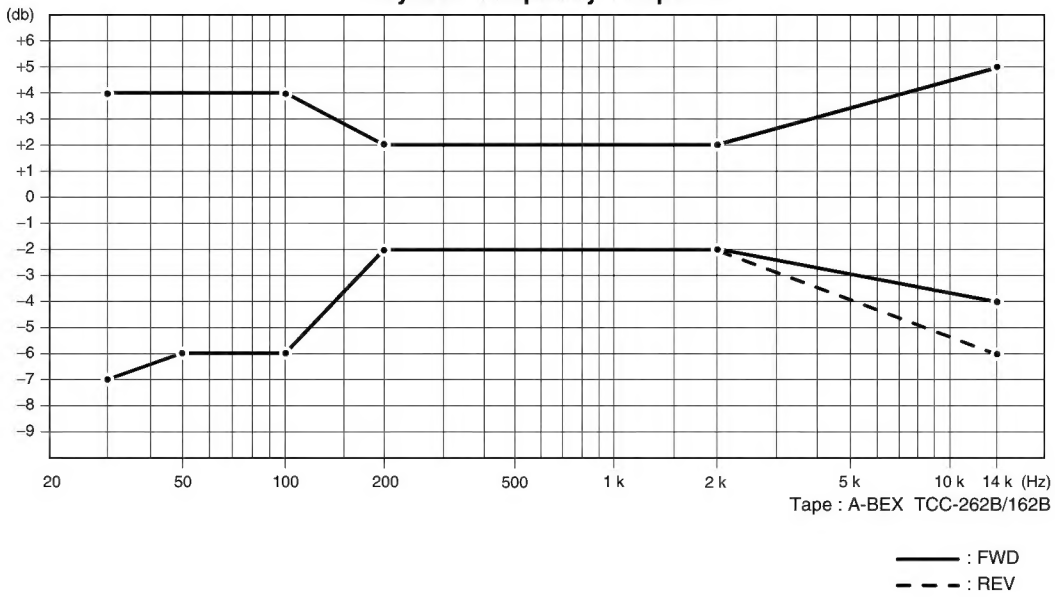
(2) Adjusting the playback frequency response

Playback the test tape (A-BEX TCC-262B/162B) and check to make sure that the frequency response meets the specifications in the diagram.



A-BEX TCC-262B/162B

Playback Frequency Response



Tape : A-BEX TCC-262B/162B

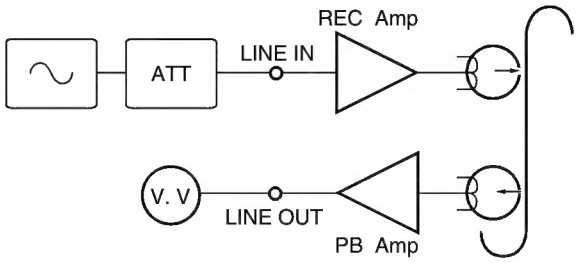
——— : FWD

– – – : REV

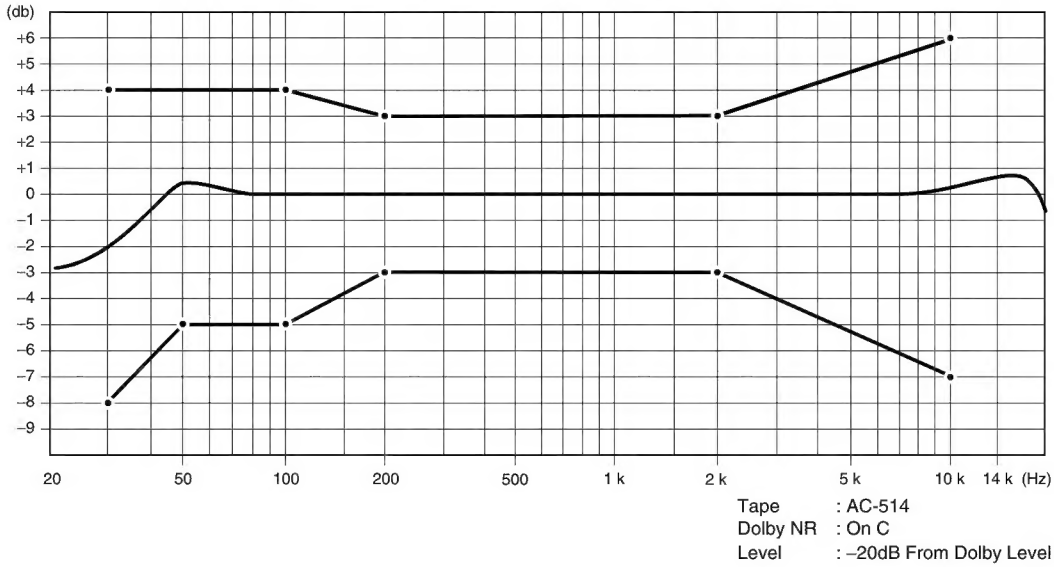
5. Adjusting the Recording Section

(1) Adjusting the record/playback overall frequency response. (CrO2)

1) Load the test tape AC-514, record a signal with an input level of -40 dB. 1 kHz at the LINE IN terminal; playback this recording.
2) Change the frequency of the input signal to 10 kHz, record and playback; adjust VR203 (Lch), VR201 (Rch) so that the characteristic standards meet the following diagram when compared to the 1 kHz signal output level.
(The other TAPE POSITIONS will automatically be adjusted by finishing of the foregoing adjustments.)



Dolby C Record/Playback Overall Frequency Response



Tape : AC-514
Dolby NR : On C
Level : –20dB From Dolby Level

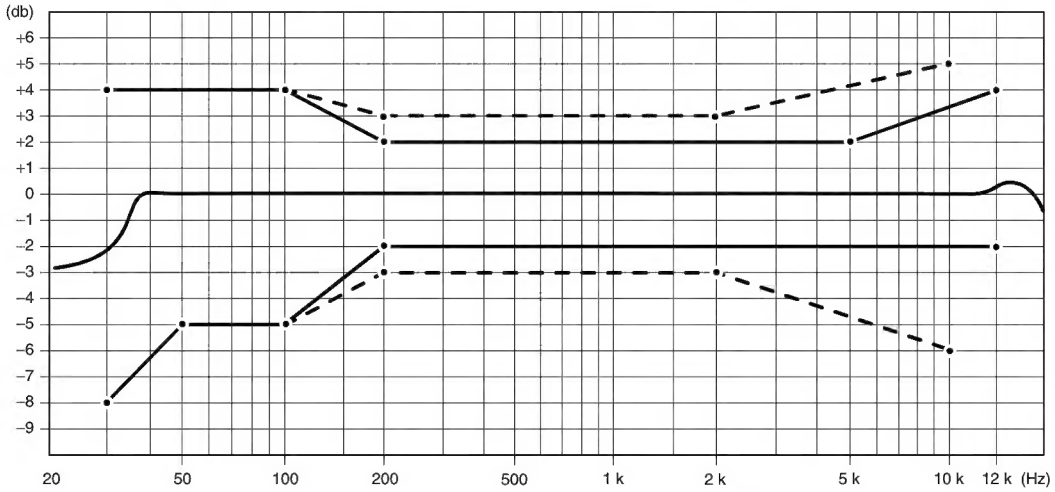
(2) Adjusting the record /playback levels (CrO2)

1) Load a AC-514 tape and after having recorded a signal of 1 kHz (-20 dB), play it back.
2) Adjust VR208 (L ch) and VR209 (R ch) so that the output from the line out terminal has the same value as the output when monitoring the recording.

(3) Checking the Dolby C record/playback overall frequency response

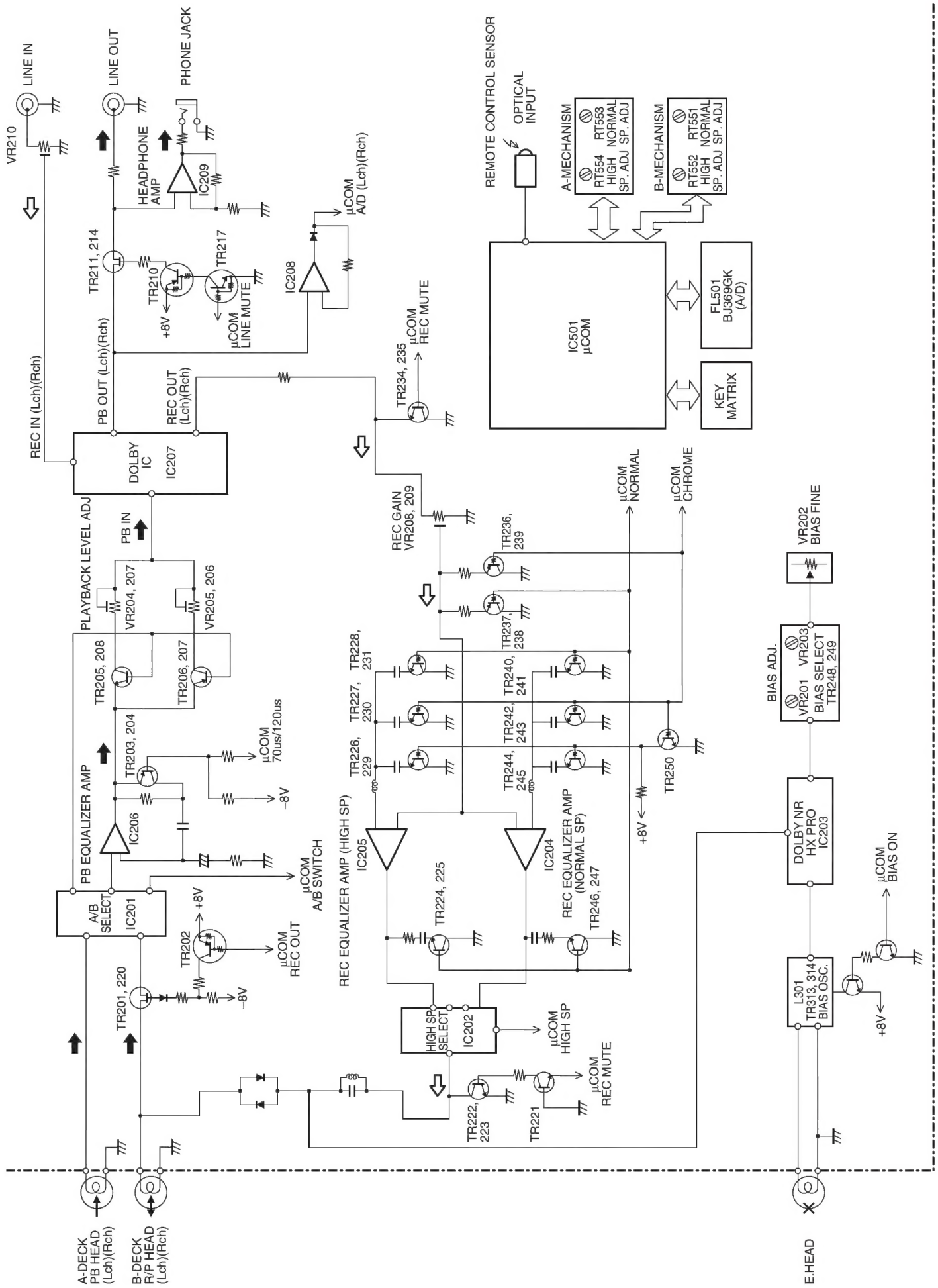
1) Set the DOLBY NR switch to the “C” position.
2) Using the test tapes AC-514, perform record/playback in the same manner as 5-(1).
3 Check to make sure that the record/playback overall frequency response meets the specifications in the diagram.

Record/Playback Overall Frequency Response



Tape : AC-514
Dolby NR : Off
Level : –20dB From Dolby Level
——— : Dolby "OFF" position
– – – : Dolby "C" position

BLOCK DIAGRAM

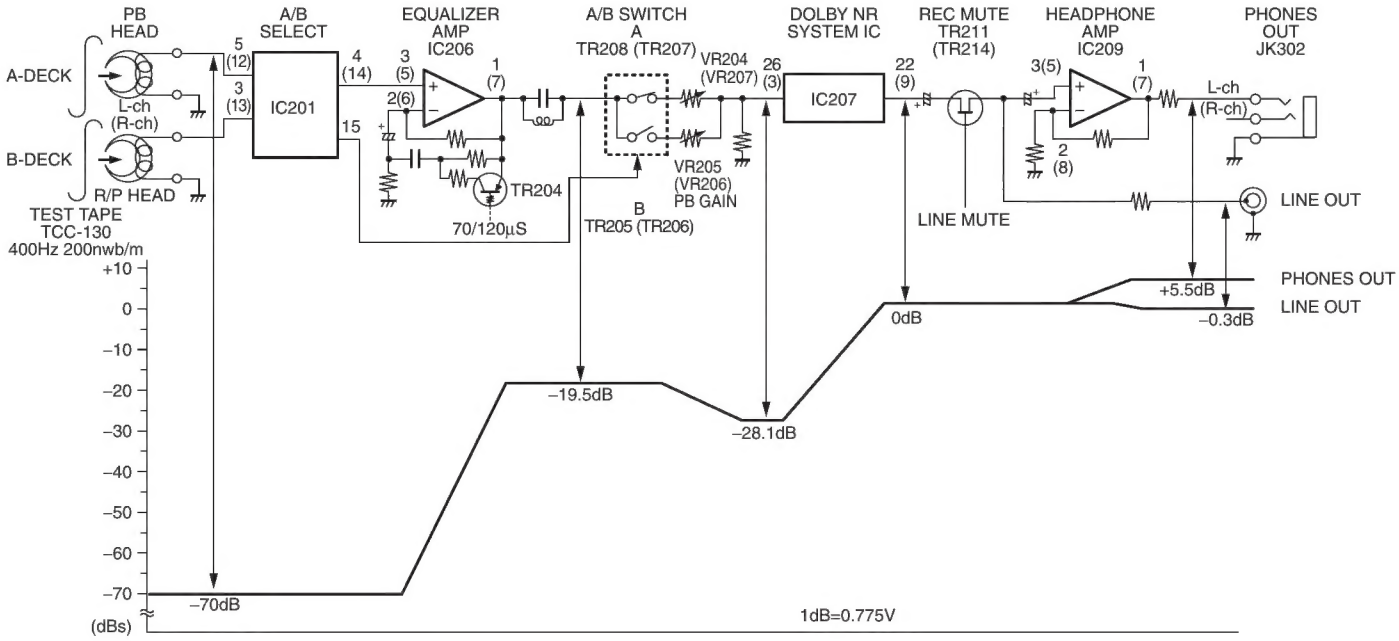


LEVEL DIAGRAM

PLAYBACK SYSTEM

TCC-130 DOLBY-B TYPE
400 Hz 200 nwb/m

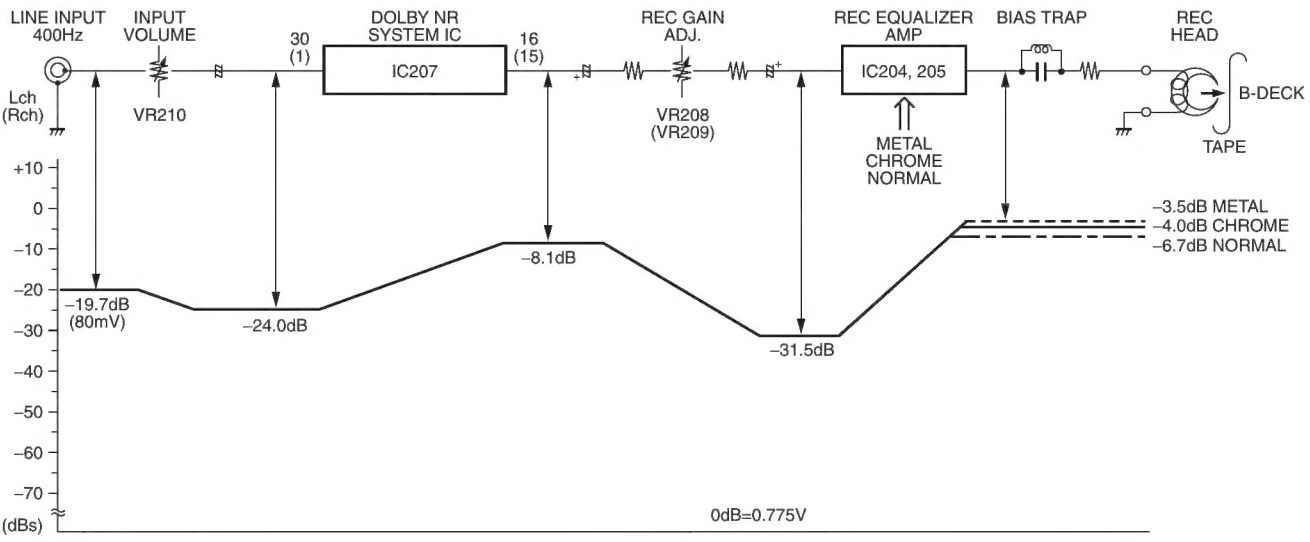
PLAYBACK MODE



RECORDING SYSTEM

INPUT FREQUENCY
400 Hz

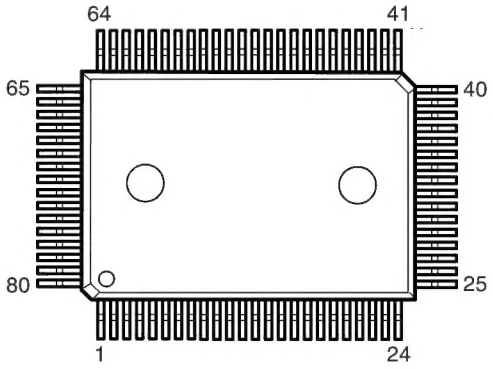
REC MODE



SEMICONDUCTORS

● IC's

HD6433724D25F (IC501)

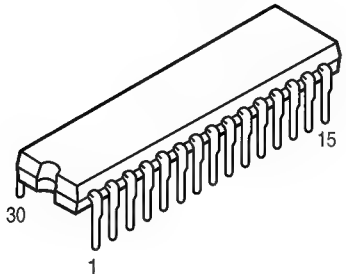


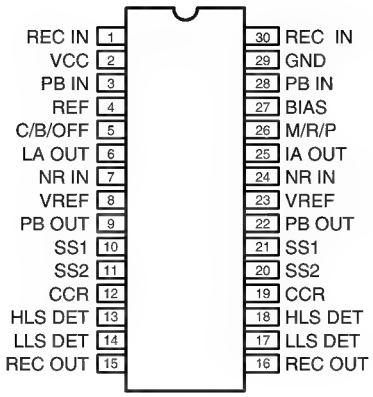
HD6433724D25F Terminal Function

Pin No.	Symbol	Name	I/O	Int.	Act.	Function	Connection
1	AN4	KEYIN-0	I	–	–	Key scan IN 0 (A/D conversion)	Display PCB
2	AN5	KEYIN-1	I	–	–	Key scan IN 1 (A/D conversion)	Display PCB
3	AN6	KEYIN-2	I	–	–	Key scan IN 2 (A/D conversion)	Display PCB
4	AN7	MSVLU	I	–	–	Constant input for skip search (A/D conversion)	
5	AVSS	A/D VSS	–	–	–	GND for A/D converter	A/D GND
6	TEST	NC	–	–	–		GND
7	X2	X2	–	–	–	Sub clock (32.768kHz)	
8	X1	X1	–	–	–	Sub clock osc. terminal	
9	VSS	VSS	–	–	–	GND	
10	OSC1	OSC1	–	–	–	System clock osc. terminal	
11	OSC2	OSC2	–	–	–	System clock (4MHz)	
12	RES	RESET IN	I	–	L	System reset input terminal	Reset IC
13	IRQ0	PLS-A	I	–	H	A-mecha. pulse input	
14	IRQ1	PLS-B	I	–	H	B-mecha. pulse input	
15	P12	METAL-B 0	O	L	H	Metal output (not used)	Audio PCB
16	P13	POWER-OFF	I	–	H	Power OFF input	Power SW
17	IRQ4	REMOCON	I	H	L	Remo-cont. receive terminal	Display PCB
18	P15	SYNC-OUT	O	L	H	CD sync. signal output	CD Unit
19	P16	MODE IN	I	–	H	DRW660X/DRS540X mode switching	
20	P33	TREC IN	I	H	L	Timer rec. SW detection	Display PCB
21	P32	TPLY IN	I	H	L	Timer play SW detection	Display PCB
22	P31	REV IN	I	H	L	Reverse mode SW detection	Display PCB
23	P30	RLY IN	I	H	L	Relay mode SW detection	Display PCB
24	FS23	A1	O	L	H	FL tube driving segment output	FL Tube
25	FS22	B1	O	L	H	FL tube driving segment output	FL Tube
26	FS21	C1	O	L	H	FL tube driving segment output	FL Tube
27	FS20	D1	O	L	H	FL tube driving segment output	FL Tube
28	FS19	E1	O	L	H	FL tube driving segment output	FL Tube
29	FS18	F1	O	L	H	FL tube driving segment output	FL Tube
30	FS17	G1	O	L	H	FL tube driving segment output	FL Tube
31	FS16	H1	O	L	H	FL tube driving segment output	FL Tube
32	FS15	A2	O	L	H	FL tube driving segment output	FL Tube
33	FS14	B2	O	L	H	FL tube driving segment output	FL Tube
34	FS13	C2	O	L	H	FL tube driving segment output	FL Tube

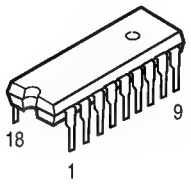
Pin No.	Symbol	Name	I/O	Int.	Act.	Function	Connection
35	FS12	D2	O	L	H	FL tube driving segment output	FL Tube
36	FS11	E2	O	L	H	FL tube driving segment output	FL Tube
37	FS10	F2	O	L	H	FL tube driving segment output	FL Tube
38	FS9	G2	O	L	H	FL tube driving segment output	FL Tube
39	FS8	H2	O	L	H	FL tube driving segment output	FL Tube
40	Vdisp	Vdisp	–	–	–	Negative power for FL tube	
41	FD0	G1	O	L	H	FL tube digit output terminal	FL Tube
42	FD1	G2	O	L	H	FL tube digit output terminal	FL Tube
43	FD2	G3	O	L	H	FL tube digit output terminal	FL Tube
44	FD3	G4	O	L	H	FL tube digit output terminal	FL Tube
45	FD4	G5	O	L	H	FL tube digit output terminal	FL Tube
46	FD5	G6	O	L	H	FL tube digit output terminal	FL Tube
47	FD6	G7	O	L	H	FL tube digit output terminal	FL Tube
48	FD7	G8	O	L	H	FL tube digit output terminal	FL Tube
49	FD8	NC	–	–	–		
50	FD9	REC OUT	O	L	H	REC OUT	Audio PCB
51	P72	LINE-MUTE	O	L	L	LINE MUTE output	Audio PCB
52	P73	DOLBY R/P	O	H	–	Dolby REC/PLAY output	Audio PCB
53	P74	70/120	O	H	L	Equalizer switching output	Audio PCB
54	P75	BIAS	O	L	H	Bias osc. output	Audio PCB
55	P76	A/B	O	L	–	A/B deck switching output	Audio PCB
56	P77	HIGH	O	H	L	HIGH SPEED output	AU.P.B./Mecha.
57	VCC	VCC	–	–	–	Power +5V	
58	P80	CAPSTAN-A	O	L	H	A-mecha. capstan control output	A-mecha.
59	P81	SOL-A	O	L	H	A-mecha. solenoid output	A-mecha.
60	P82	CAS-A	I	H	L	A-mecha. cassette exist detection	A-mecha.
61	P83	PLSW-IN-A	I	H	L	A-mecha PLAY SW input	A-mecha.
62	P84	CRM-A	I	–		A-mecha chrome detection	A-mecha.
63	P85	MPX	O			MPX filter output	Audio PCB
64	P86	NORMAL	O	L	H	Normal tape output	Audio PCB
65	P87	CRM-B 0	O	L	H	Chrome tape output	Audio PCB
66	P90	CAPSTAN-B	O	L	H	B-mecha. capstan control output	B-mecha.
67	P91	SOL-B	O	L	H	B-mecha. solenoid output	B-mecha.
68	P92	CAS-B	I	H	L	B-mecha. cassette exist detection	B-mecha.
69	P93	PLSW-IN-B	I	H	L	B-mecha PLAY SW input	B-mecha.
70	P94	CRM-B I	I	–	H	B-mecha chrome detection	B-mecha.
71	P95	MTL-B	I	–	H	B-mecha metal detection	B-mecha.
72	P96	ARF-B	I	H	L	F-REC SW detection	B-mecha.
73	P97	ARR-B	I	H	L	R-REC SW detection	B-mecha.
74	PA0	DUBB 0	O	L	H	Dubbing output (for Dolby Auto Off)	
75	PA1	REC MUTE	O	H	H	Rec. mute output	Audio PCB
76	AVCC	A/D-VCC	–	–	–	Power for A/D converter	+5V
77	AN0	AD-IN-L	I	–	H	L ch signal for level meter	Audio PCB
78	AN1	AD-IN-R	I	–	H	R ch signal for level meter	Audio PCB
79	P02	SYNC-IN	I	–	H	CD sync. signal input	CD Unit
80	P03	DOLBY IN	I	H	L	DOLBY ON/OFF input	Audio PCB

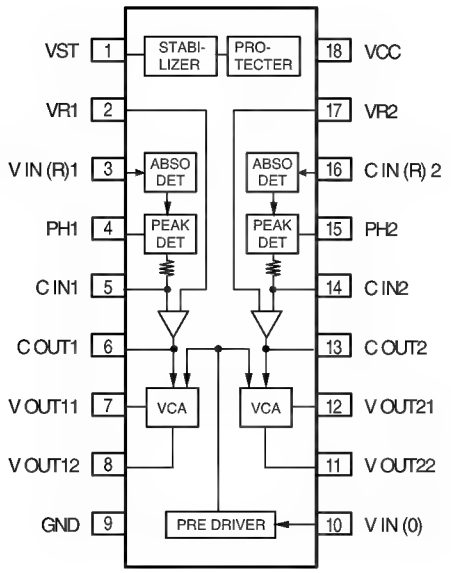
HA112170NT (IC207)





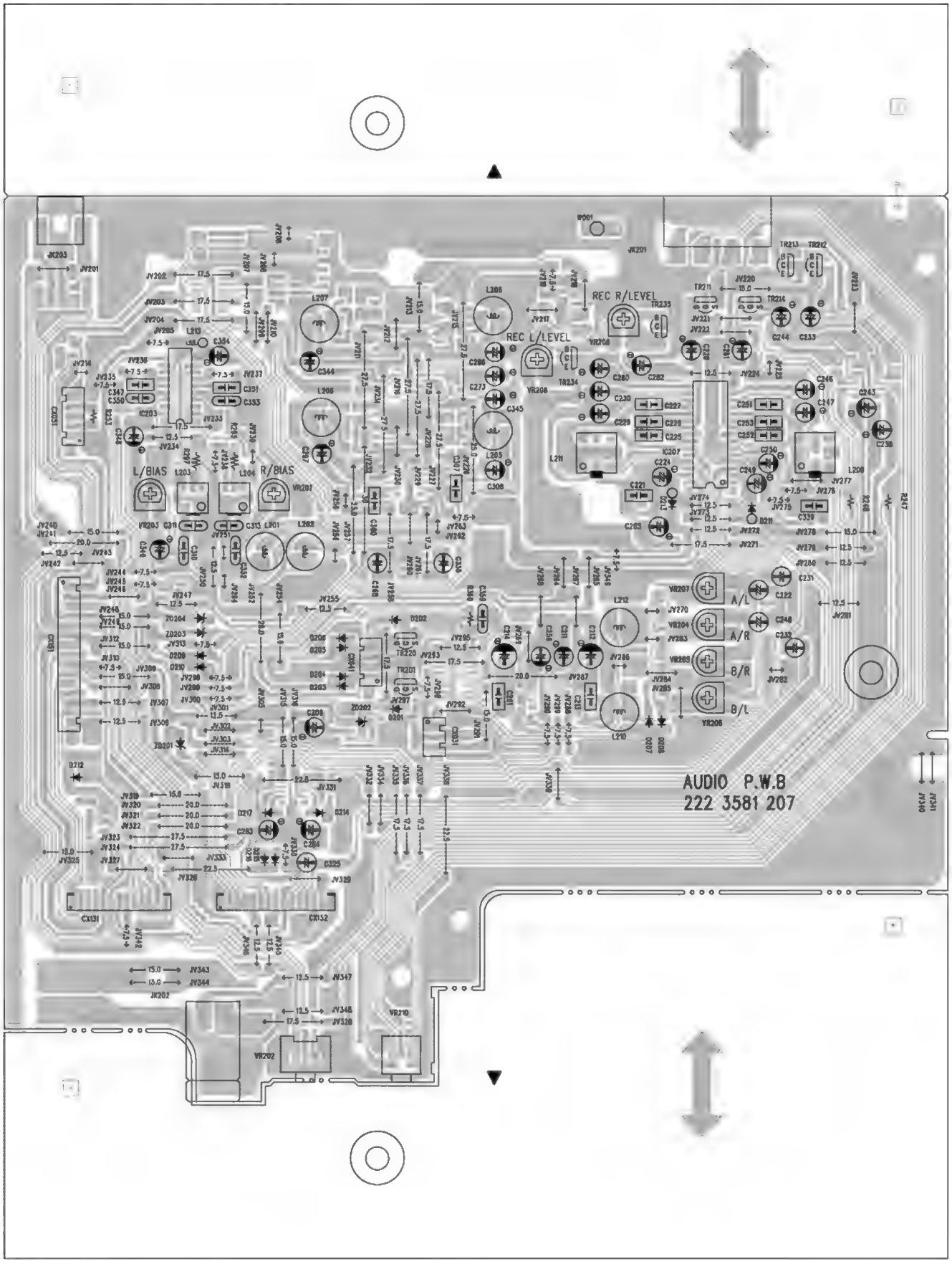
uPC1297CA (IC203)





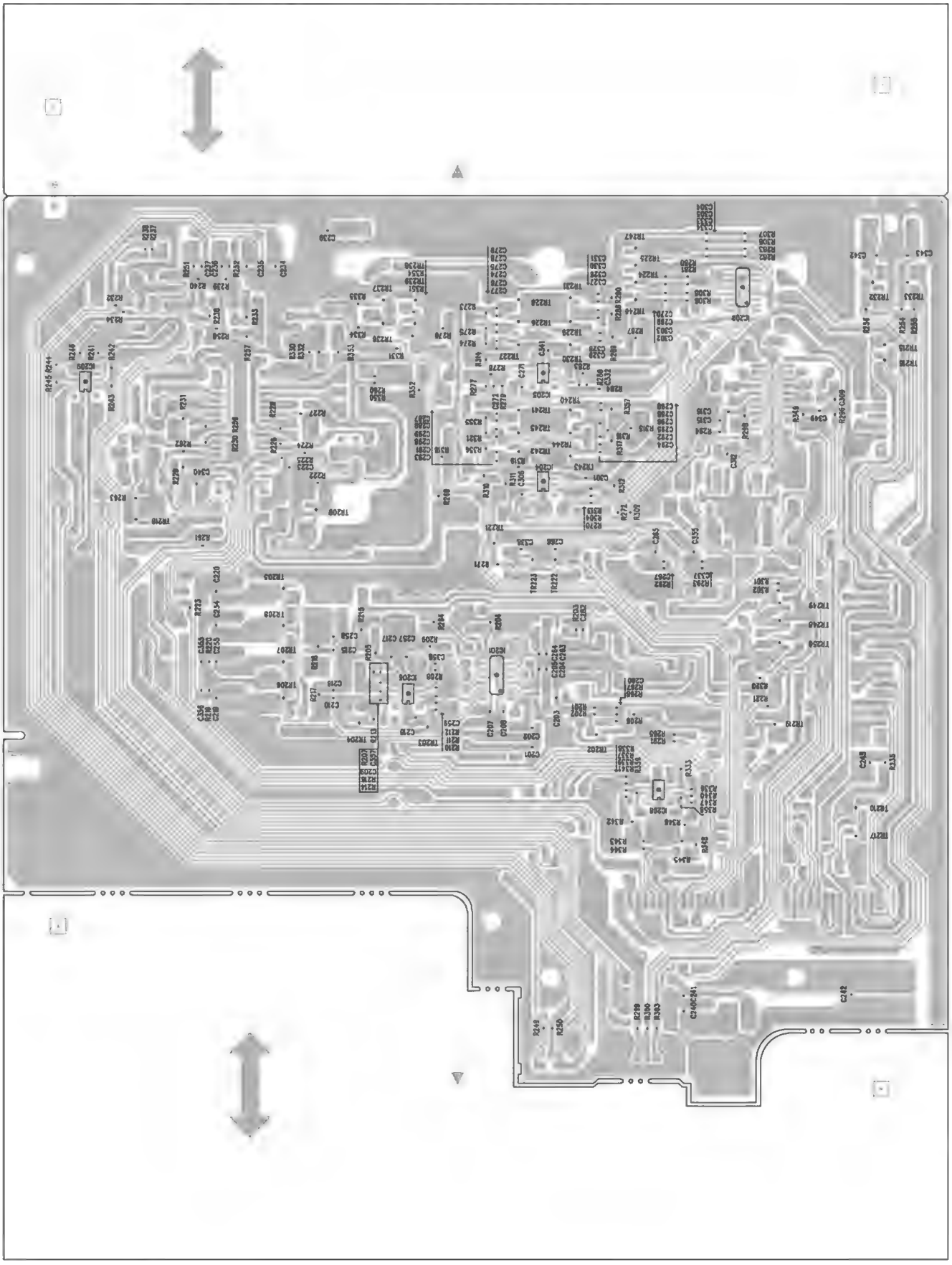
PRINTED WIRING BOARDS

1U-3581 AUDIO P.W.B. UNIT ASS'Y



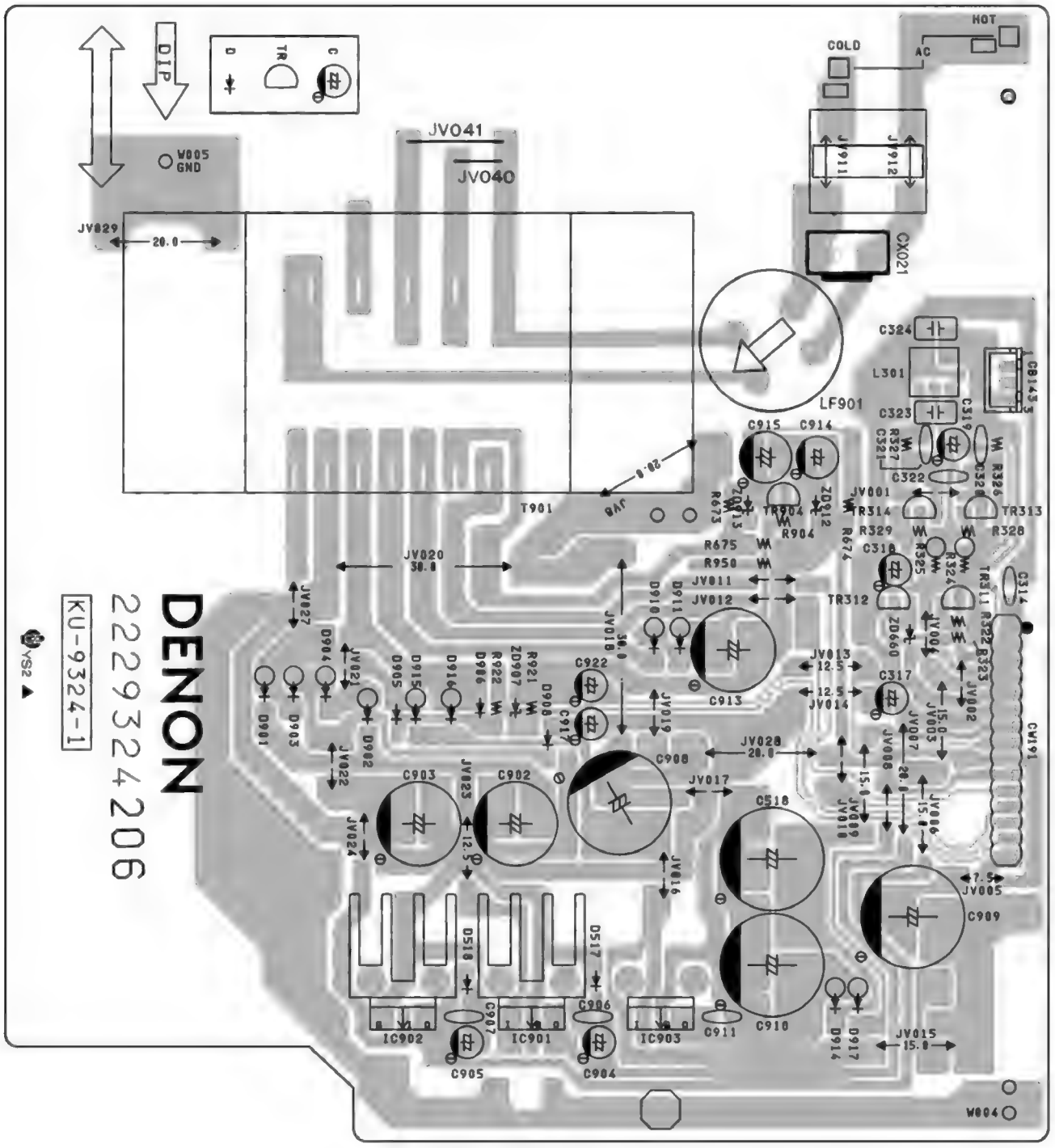
COMPONENT SIDE

1U-3581 AUDIO P.W.B. UNIT ASS'Y



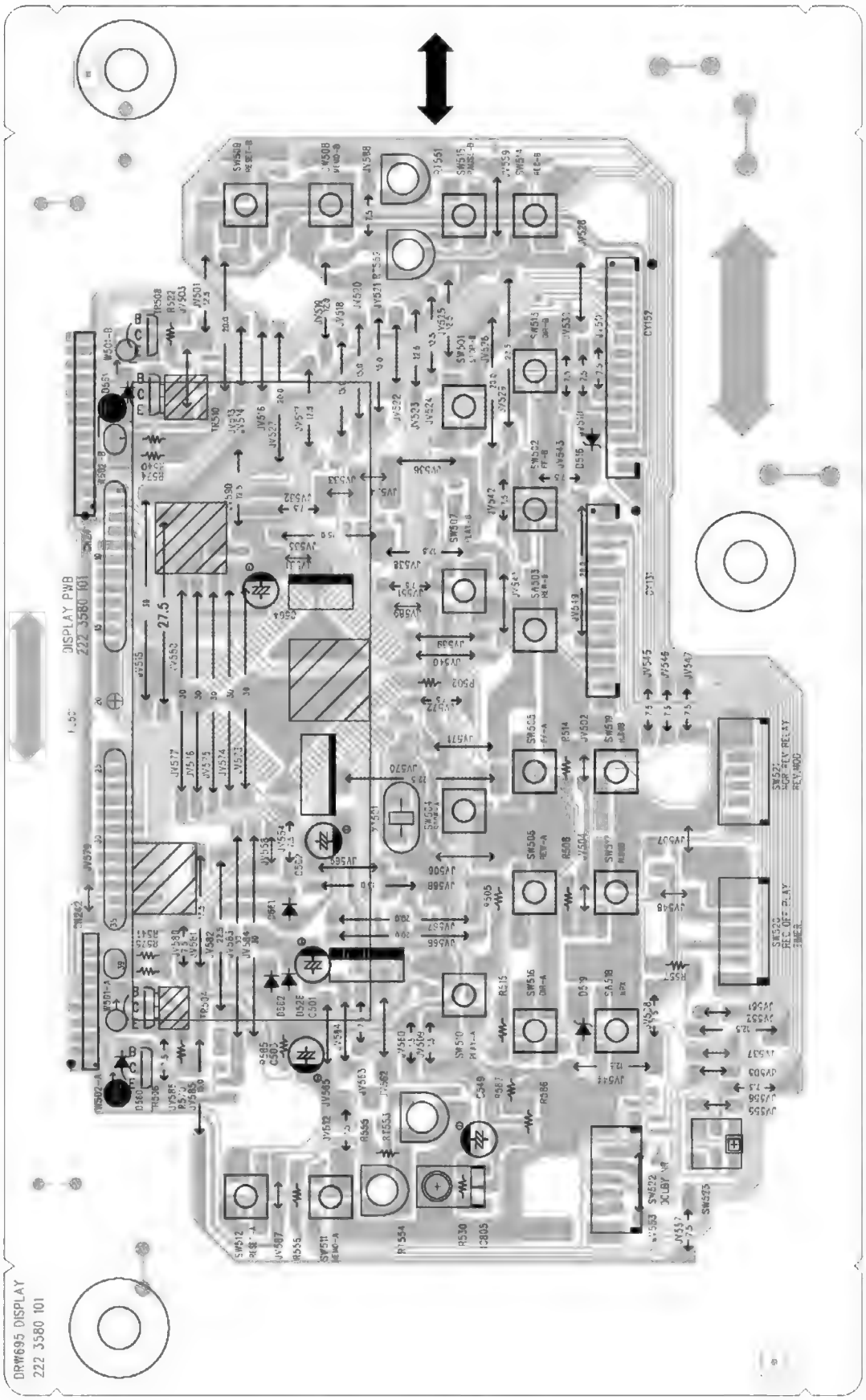
FOIL SIDE

KU-9324 POWER P.W.B. UNIT ASS'Y



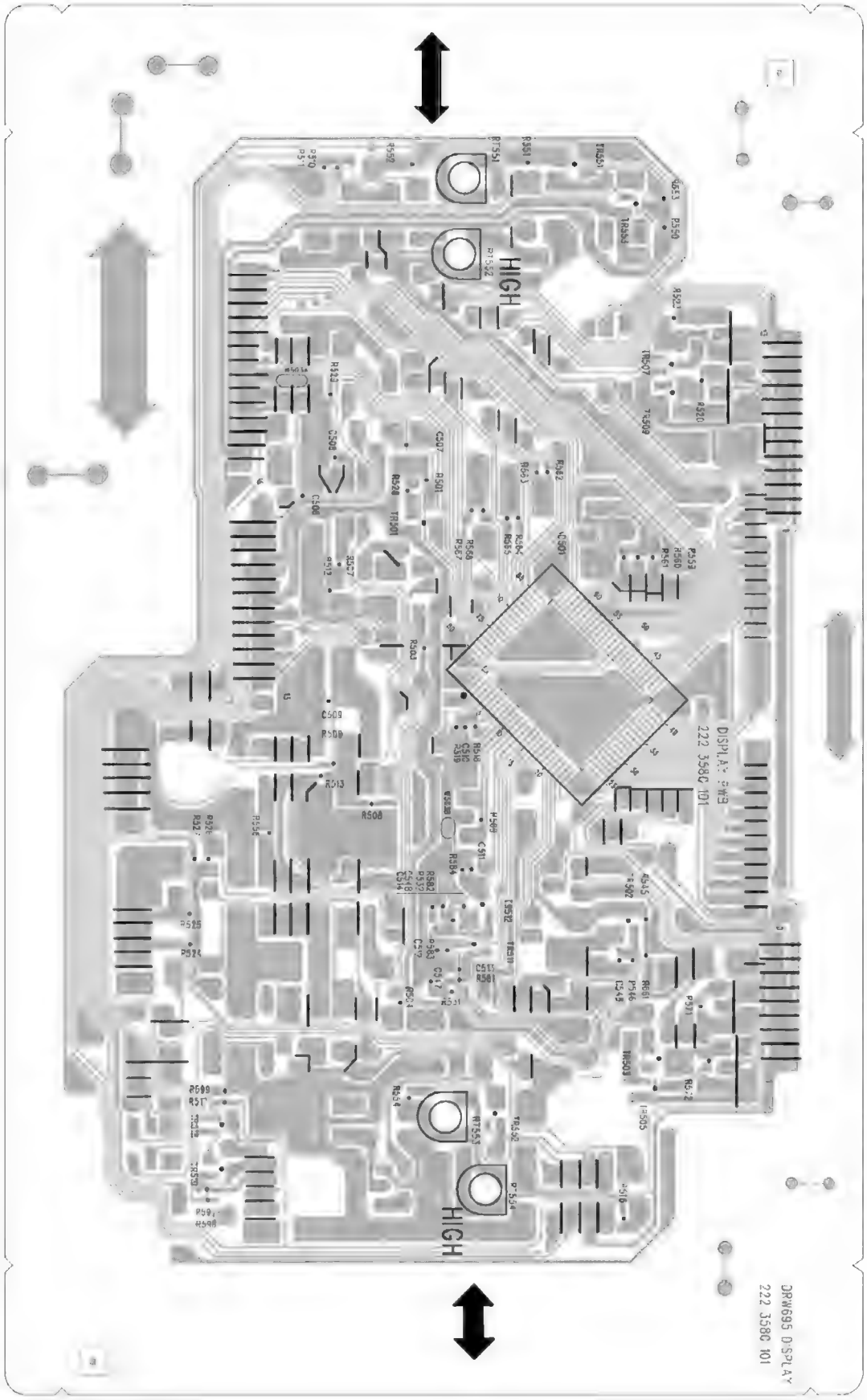
COMPONENT SIDE

1U-3580 DISPLAY P.W.B. UNIT ASS'Y



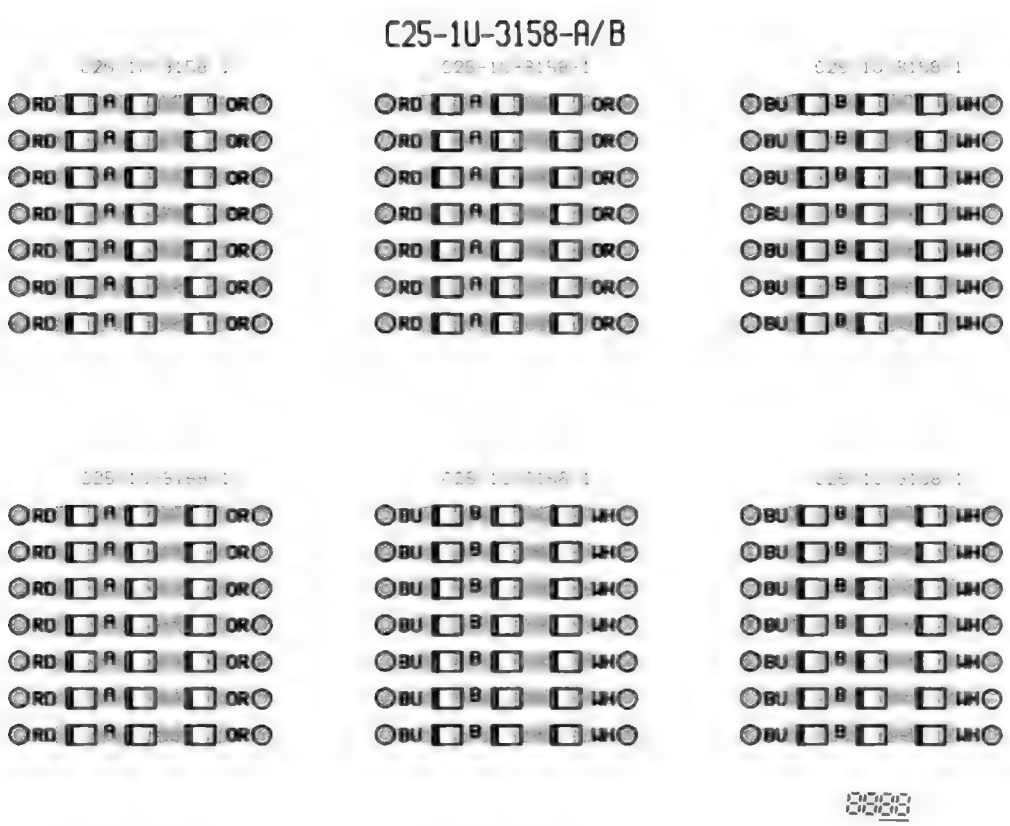
COMPONENT SIDE

1U-3580 DISPLAY P.W.B. UNIT ASS'Y



FOIL SIDE

1U-3158 LED P.W.B. UNIT ASS'Y



COMPONENT SIDE

NOTE FOR PARTS LIST

- Part indicated with the mark "◉" are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- When ordering of part, clearly indicate "1" and "I" (i) to avoid mis-supplying.
- Ordering part without stating its part number can not be supplied.
- Part indicated with the mark "★" is not illustrated in the exploded view.
- Not including Carbon Film Resister ±5%, 1/4W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)
- Not including Carbon Chip Resister 1/16W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)

WARNING:
Parts marked with this symbol ⚠ have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.

部品表について

1．◉印の部品は常時在庫していませんので供給に長時間を要することがあります。
場合によっては、供給をお断りすることがあります。
2．部品を発注する際は特に数字の“1”と英字の“I”との区別をはっきり記入してください。
3．部品番号を表示していない部品は供給できません。
4．⚠ 印の部品は安全上重要な部品です。交換するときは、安全性維持のため必ず指定の部品をご使用ください。
5．★印のついている部品は分解図中には記載していません。
6．カーボン抵抗器＋5%、1/4W 型は記載していません。定数は回路図を参照願います。
7．カーボンチップ抵抗器 1/16W 型は記載していません。定数は回路図を参照願います。
8．部品表の抵抗器、コンデンサの品名記号の読み方は表を参照してください。

● Resistors

Ex.: RN (Type) 14K (Shape and performance) 2E (Power) 182 (Resistance) G (Allowable error) FR (Others)

RD : Carbon RC : Composition RS : Metal oxide film RW : Winding RN : Metal film RK : Metal mixture	2B : 1/8W 2E : 1/4W 2H : 1/2W 3A : 1W 3D : 2W 3F : 3W 3H : 5W	F : ±1% G : ±2% J : ±5% K : ±10% M : ±20%	P : Pulse-resistant type NL : Low noise type NB : Non-burning type FR : Fuse-resistor F : Lead wire forming

✻ Resistance

1 8 2 ⇒ 1800 ohm = 1.8 kohm
Indicates number of zeros after effective number.
2-digit effective number.
• Units: ohm

1 R 2 ⇒ 1.2 ohm
1-digit effective number.
2-digit effective number, decimal point indicated by R.
• Units: ohm

● Capacitors

Ex.: CE (Type) 04W (Shape and performance) 1H (Dielectric strength) 2R2 (Capacity) M (Allowable error) BP (Others)

CE : Aluminum foil electrolytic CA : Aluminum solid electrolytic CS : Tantalum electrolytic CQ : Film CK : Ceramic CC : Ceramic CP : Oil CM : Mica CF : Metallized CH : Metallized	0J : 6.3V 1A : 10V 1C : 16V 1E : 25V 1V : 35V 1H : 50V 2A : 100V 2B : 125V 2C : 160V 2D : 200V 2E : 250V 2H : 500V 2J : 630V	F : ±1% G : ±2% J : ±5% K : ±10% M : ±20% Z : +80% −20% P : +100% −0% C : +0.25pF D : +0.5pF = : Others	HS : High stability type BP : Non-polar type HR : Ripple-resistant type DL : For change and discharge HF : For assuring high requency U : UL part C : CSA part W : UL-CSA type F : Lead wire forming

✻ Capacity (electrolyte only)

2 2 2 ⇒ 2200μF
Indicates number of zeros after effective number.
2-digit effective number.
• Units: μF.

2 R 2 ⇒ 2.2μF
1-digit effective number.
2-digit effective number, decimal point indicated by R.
• Units: μF.

✻ Capacity (except electrolyte)

2 2 2 ⇒ 2200pF=0.0022μF
(More than 2) Indicates number of zeros after effective number.
2-digit effective number.
• Units: pF.

2 2 1 ⇒ 220pF
(0 or 1) Indicates number of zeros after effective number.
2-digit effective number.
• Units: pF.

• When the dielectric strength is indicated in AC, "AC" is included after the dieelectric strength value.

●抵抗器

例) RN 種類 / 14K 形状特性 / 2E 電力 / 182 抵抗値 / G 許容差 / FR その他

RD : カーボン RC : 固定体 RS : 金属系皮膜 RW : 巻線 RN : 金属皮膜 RK : 金属混合体	2B : 1/8 W 2E : 1/4 W 2H : 1/2 W 3A : 1 W 3D : 2 W 3F : 3 W 3H : 5 W	F : ±1% G : ±2% J : ±5% K : ±10% M : ±20%	P : 耐パルス形 NL : 低雑音形 NB : 不燃形 FR : ヒューズ抵抗 F : リード線成形

＊抵抗値

18 2 ⇨ 1800Ω=1.8kΩ
有効数字につづく0の数を表わす。
2桁の有効数字を表わす。

1R 2 ⇨ 1.2Ω
1桁の有効数字を表わす。
2桁の有効数字でJ.数点はRで表わす。
：単位はΩ

●コンデンサ

例) CE 種類 / 04W 形状特性 / 1H 耐圧 / 2R2 容量 / M 許容差 / BP その他

CE : アルミ箔電解 CA : アルミ固体電解 CS : タンタル電解 CQ : フィルム CK : セラミック CC : セラミック CP : オイル CM : マイカ CF : メタライズド CH : メタライズド	0J : 6.3 V 1A : 10 V 1C : 16 V 1E : 25 V 1V : 35 V 1H : 50 V 2A : 100 V 2B : 125 V 2C : 160 V 2D : 200 V 2E : 250 V 2H : 500 V 2J : 630 V	F : ±1% G : ±2% J : ±5% K : ±10% M : ±20% Z : +80% 20% P : +100% − 0% C : ±0.25pF D : ±0.5pF = : その他	HS : 高安定形 BP : 無極性形 HR : 耐リップル形 DL : 充放電対策用 HF : 高周波保証用 U : UL 部品 C : CSA 部品 W : UL-CSA 部品 F : リード線成形

＊容量値

● 電解コンデンサの場合

22 2 ⇨ 2200μF
有効数字につづく0の数を表わす。
2桁の有効数字を表わす。
：単位はμF

2R 2 ⇨ 2.2μF
1桁の有効数字を表わす。
2桁の有効数字でJ.数点はRで表わす。
：単位はμF

● 電解コンデンサ以外の場合

22 2 ⇨ 2200pF=0.0022μF
有効数字につづく0の数を表わす。
(0の数が2以上の場合)
2桁の有効数字を表わす。
：単位はpF

22 1 ⇨ 220pF
有効数字につづく0の数を表わす。
(0の数が0または1の場合)
2桁の有効数字を表わす。
：単位はpF

● 耐圧を交流で表示する場合は、耐圧表示の次に「AC」を表示します。

PARTS LIST OF P.W.B. UNIT ASS'Y

1U-3581 AUDIO P.W.B. UNIT ASS'Y

	Ref. No.	Part No.	Part Name	Remarks	New
SEMICONDUCTORS GROUP					
	IC201,202	262 0707 901	TC4053BF (TAPE)		
	IC203	263 0354 001	UPC1297CA		
	IC204,205	263 0615 902	BA15218F-DXE2		
	IC206	263 0896 909	NJM2068MD-TE1		
	IC207	263 0720 004	HA12170NT		
	IC208,209	263 0615 902	BA15218F-DXE2		
	TR201	275 0042 905	2SK373(Y)TPE2		
	TR202	269 0083 901	DTA114EKT96		
	TR203,204	269 0086 908	DTA114TKT96		
	TR205	269 0088 906	DTC114TKT96		
	TR206,207	269 0086 908	DTA114TKT96		
	TR208	269 0088 906	DTC114TKT96		
	TR209	269 0102 905	DTC124EKT146		
	TR210	269 0216 901	DTA144WKT96		
	TR211	275 0061 902	2SK184(GR)/(BL)TPE4		
	TR212,213	271 0183 914	2SA933 (S)T-70		
	TR214	275 0061 902	2SK184(GR)/(BL)TPE4		
	TR215	269 0083 901	DTA114EKT96		
	TR216	269 0054 901	DTC144EKT96		
	TR217,218	269 0102 905	DTC124EKT146		
	TR219	269 0048 904	DTC143EK-T96		
	TR220	275 0042 905	2SK373(Y)TPE2		
	TR221	269 0086 908	DTA114TKT96		
	TR222,223	269 0066 902	DTC323TKT96		
	TR224-231	269 0088 906	DTC114TKT96		
	TR232	269 0054 901	DTC144EKT96		
	TR233	269 0082 902	DTC114EKT96		
	TR234,235	273 0388 906	2SC1740S(E)-T		
	TR236-247	269 0088 906	DTC114TKT96		
	TR248,249	269 0217 900	DTC124XKT96		
	TR250	269 0088 906	DTC114TKT96		
	D201-210	276 0375 905	1N4148T77 (TAPE)		
	D211	276 0704 903	1SR35-400A(T93X)		
	D212	276 0375 905	1N4148T77 (TAPE)		
	D213	276 0704 903	1SR35-400A(T93X)		
	D214-217	276 0375 905	1N4148T77 (TAPE)		
	ZD201	276 0644 937	MTZJ9.1A T77		
	ZD202	276 0643 996	MTZJ5.6A T77		
	ZD203,204	276 0644 937	MTZJ9.1A T77		
RESISTORS GROUP					
	R201	247 2015 948	RM73B--225KT		
	R202	247 2009 983	RM73B--103JT		
	R203	247 2015 948	RM73B--225KT		
	R204	247 2009 983	RM73B--103JT		
	R205	247 2006 902	RM73B--331JT (1608)		
	R206	247 2007 943	RM73B--102JT		
	R207,208	247 2011 942	RM73B--473JT		
	R209	247 2005 945	RM73B--151JT		

	Ref. No.	Part No.	Part Name	Remarks	New
	R210	247 2010 972	RM73B--243JT		
	R211	247 2010 943	RM73B--183JT		
	R212	247 2013 911	RM73B--244JT		
	R213	247 2010 972	RM73B--243JT		
	R214	247 2010 943	RM73B--183JT		
	R215	247 2005 945	RM73B--151JT		
	R216	247 2013 911	RM73B--244JT		
	R217,218	247 2008 968	RM73B--332JT		
	R219,220	247 2010 969	RM73B--223JT		
	R221	247 2012 925	RM73B--104JT		
	R222	247 2014 965	RM73B--105JT		
	R223	247 2010 969	RM73B--223JT		
	R224	247 2008 984	RM73B--392JT		
	R225	247 2010 943	RM73B--183JT		
	R226	247 2009 967	RM73B--822JT		
	R227	247 2006 986	RM73B--561JT		
	R228,229	247 2010 969	RM73B--223JT		
	R230	247 2009 967	RM73B--822JT		
	R231	247 2006 986	RM73B--561JT		
	R232-234	247 2015 948	RM73B--225KT		
	R235	247 2011 942	RM73B--473JT		
	R236	247 2015 948	RM73B--225KT		
	R237,238	247 2014 936	RM73B--754JT		
	R239,240	247 2008 968	RM73B--332JT		
	R241	247 2011 942	RM73B--473JT		
	R242-245	247 2011 900	RM73B--333JT		
	R246	247 2011 942	RM73B--473JT		
	R249,250	247 2010 985	RM73B--273JT		
	R251,252	247 2006 960	RM73B--471JT		
	R254	247 2010 969	RM73B--223JT		
	R255-258	247 2009 983	RM73B--103JT		
	R259	247 2010 969	RM73B--223JT		
	R260	247 2009 909	RM73B--472JT (1608)		
	R261	247 2006 960	RM73B--471JT		
	R262	247 2008 984	RM73B--392JT		
	R263	247 2014 965	RM73B--105JT		
	R264	247 2006 902	RM73B--331JT (1608)		
	R265	247 2009 909	RM73B--472JT (1608)		
	R267	247 2012 925	RM73B--104JT		
	R268	247 2009 983	RM73B--103JT		
	R269	247 2009 909	RM73B--472JT (1608)		
	R270	247 2005 974	RM73B--201JT		
	R271	247 2008 926	RM73B--222JT		
	R272	247 2005 974	RM73B--201JT		
	R273	247 2005 945	RM73B--151JT		
	R274,275	247 2006 960	RM73B--471JT		
	R276	247 2008 939	RM73B--242JT		
	R277	247 2011 939	RM73B--433JT		
	R278	247 2010 998	RM73B--303JT		
	R279	247 2007 943	RM73B--102JT		
	R280	247 2007 985	RM73B--152JT		
	R281,282	247 2007 956	RM73B--112JT		
	R283	247 2007 985	RM73B--152JT		
	R284	247 2007 943	RM73B--102JT		
	R285	247 2011 939	RM73B--433JT		
	R286	247 2010 998	RM73B--303JT		
	R287	247 2008 939	RM73B--242JT		
	R288,289	247 2006 960	RM73B--471JT		
	R290	247 2005 945	RM73B--151JT		
	R291	247 2007 943	RM73B--102JT		
	R292,293	247 2009 983	RM73B--103JT		

	Ref. No.	Part No.	Part Name	Remarks	New
	R294	247 2012 967	RM73B--154JT		
	R295	241 2315 912	RD14B2E100GFRST		
	R296	247 2012 967	RM73B--154JT		
	R297	241 2315 912	RD14B2E100GFRST		
	R298	247 2010 927	RM73B--153JT		
	R299	247 2006 999	RM73B--621JT		
	R300	247 2007 956	RM73B--112JT		
	R301	247 2008 968	RM73B--332JT		
	R302	247 2007 998	RM73B--162JT		
	R303	247 2009 938	RM73B--622JT		
	R304	247 2007 943	RM73B--102JT		
	R305	247 2008 913	RM73B--202JT		
	R306	247 2008 997	RM73B--432JT		
	R307	247 2008 913	RM73B--202JT		
	R308	247 2008 997	RM73B--432JT		
	R309	247 2007 943	RM73B--102JT		
	R310	247 2010 998	RM73B--303JT		
	R311	247 2012 983	RM73B--184JT		
	R312	247 2010 998	RM73B--303JT		
	R313	247 2012 983	RM73B--184JT		
	R314	247 2009 983	RM73B--103JT		
	R315	247 2008 942	RM73B--272JT		
	R316	247 2006 944	RM73B--391JT		
	R317	247 2006 928	RM73B--301JT		
	R318	247 2008 942	RM73B--272JT		
	R319	247 2009 983	RM73B--103JT		
	R320	247 2008 913	RM73B--202JT		
	R321	247 2006 944	RM73B--391JT		
	R328,329	247 2008 926	RM73B--222JT		
	R330,331	247 2010 927	RM73B--153JT		
	R332	247 2009 909	RM73B--472JT (1608)		
	R333,334	247 2010 972	RM73B--243JT		
	R335	247 2009 983	RM73B--103JT		
	R336,337	247 2011 984	RM73B--683JT		
	R338	247 2010 972	RM73B--243JT		
	R339-341	247 2010 985	RM73B--273JT		
	R342	247 2005 903	RM73B--101JT		
	R343	247 2014 965	RM73B--105JT		
	R344	247 2008 926	RM73B--222JT		
	R345	247 2014 965	RM73B--105JT		
	R346	247 2005 903	RM73B--101JT		
	R347	247 2010 985	RM73B--273JT		
	R348	247 2008 926	RM73B--222JT		
	R349,350	247 2010 927	RM73B--153JT		
	R351	247 2010 972	RM73B--243JT		
	R354	247 2009 983	RM73B--103JT		
	R355	247 2005 945	RM73B--151JT		
	R356	274 2006 928	RM73B--301JT		
	R357	247 2005 945	RM73B--151JT		
	R358,359	247 2013 982	RM73B--474JT		
	VR201	211 6056 014	V06PB503		
	VR202	211 0706 001	V09V25FB102K		
	VR203-209	211 6056 014	V06PB503		
	VR210	211 0707 000	V0920V25FA104		
CAPACITORS GROUP					
	C201,202	257 0507 992	CC73CH1H391JT		
	C203	257 0509 929	CK73B1H102KT		

	Ref. No.	Part No.	Part Name	Remarks	New
	C205	257 0508 917	CC73CH1H471JT		
	C206	254 4536 928	CE04W1A101MT SMG/RE3		
	C207,208	257 0511 904	CK73F1H103ZT		
	C209	257 0506 951	CC73CH1H101JT		
	C210	257 0506 993	CC73CH1H151JT		
	C211	254 4536 915	CE04W1A470MT SMG/RE3		
	C212	254 4536 944	CE04W1A331MT SMG/RE3		
	C213	255 1265 910	CQ93M1H752JT		
	C214	254 4536 944	CE04W1A331MT SMG/RE3		
	C215,216	257 0509 929	CK73B1H102KT		
	C218	257 0512 903	CK73F1E104ZT		
	C221	255 1205 909	CQ93M1H272JT		
	C222	254 3056 917	CE04D1H010MBPT (SME)		
	C223	257 0511 904	CK73F1H103ZT		
	C224	254 4538 942	CE04W1C101MT SMG/RE3		
	C225-227	255 1204 900	CQ93M1H222JT		
	C228	254 4313 918	CE04W1H100MT (ASF)		
	C229,230	254 4524 901	CE04W1H0R1MT SMG/RE3		
	C231,232	254 3056 917	CE04D1H010MBPT (SME)		
	C233	254 4524 972	CE04W1H4R7MT SMG/RE3		
	C234-237	257 0507 992	CC73CH1H391JT		
	C238	254 4536 915	CE04W1A470MT SMG/RE3		
	C239	257 0512 903	CK73F1E104ZT		
	C240,241	257 0507 934	CC73CH1H221JT		
	C242	257 0512 903	CK73F1E104ZT		
	C243	254 4536 915	CE04W1A470MT SMG/RE3		
	C244	254 4524 972	CE04W1H4R7MT SMG/RE3		
	C245	257 0511 904	CK73F1H103ZT		
	C246,247	254 4524 901	CE04W1H0R1MT SMG/RE3		
	C248	254 3056 917	CE04D1H010MBPT (SME)		
	C249	254 4538 942	CE04W1C101MT SMG/RE3		
	C250	254 4524 901	CE04W1H0R1MT SMG/RE3		
	C251-253	255 1204 900	CQ93M1H222JT		
	C256	254 4536 915	CE04W1A470MT SMG/RE3		
	C258	257 0506 993	CC73CH1H151JT		
	C259	257 0506 951	CC73CH1H101JT		
	C260	257 0509 929	CK73B1H102KT		
	C261	255 1265 910	CQ93M1H752JT		
	C262	257 0509 929	CK73B1H102KT		
	C264	257 0508 917	CC73CH1H471JT		
	C265	257 0506 993	CC73CH1H151JT		
	C266	257 0509 990	CK73B1H222KT		
	C268	254 3056 933	CE04D1H3R3MBPT (SME)		
	C269	257 1011 953	CK73B1H273KT		
	C270	257 0516 909	CK73B1E223KT		
	C271	257 0512 903	CK73F1E104ZT		
	C272	257 0510 963	CK73B1H822KT		
	C273	254 4536 915	CE04W1A470MT SMG/RE3		
	C274	257 0510 905	CK73B1H272KT		
	C275	257 0509 945	CK73B1H122KT		
	C276	257 0509 961	CK73B1H152KT		
	C277	257 0510 905	CK73B1H272KT		
	C278	257 0509 987	CK73B1H182KT		
	C279	257 0510 905	CK73B1H272KT		
	C280-282	254 4313 918	CE04W1H100MT (ASF)		
	C283,284	254 4524 930	CE04W1HR47MT SMG/RE3		
	C285	254 4524 956	CE04W1H2R2MT SMG/RE3		
	C286	254 4524 972	CE04W1H4R7MT SMG/RE3		
	C287-290	257 0510 921	CK73B1H392KT		
	C291-295	257 0510 918	CK73B1H332KT		
	C296	257 0509 990	CK73B1H222KT		

	Ref. No.	Part No.	Part Name	Remarks	New
	C297	254 4536 915	CE04W1A470MT SMG/RE3		
	C298	257 0510 918	CK73B1H332KT		
	C299	257 0509 990	CK73B1H222KT		
	C300	256 1058 968	CF93A1H823JT (JL)		
	C301	257 0512 903	CK73F1E104ZT		
	C302	257 0501 927	CK73B1H153KT		
	C303,304	257 0516 925	CK73B1E333KT		
	C305	257 0501 927	CK73B1H153KT		
	C306	257 0512 903	CK73F1E104ZT		
	C307	256 1058 968	CF93A1H823JT (JL)		
	C308	254 4536 915	CE04W1A470MT SMG/RE3		
	C309	257 0509 945	CK73B1H122KT		
	C310,311	253 1131 909	CK45B2H391KT		
	C312	257 0517 908	CK73B1C473KT		
	C313,314	253 1131 909	CK45B2H391KT		
	C315	257 0509 945	CK73B1H122KT		
	C316	257 0501 901	CK73B1H103KT (1608)		
	C317	257 0516 909	CK73B1E223KT		
	C319	257 0516 909	CK73B1E223KT		
	C322,323	254 4538 900	CE04W1C100MT SMG/RE3		
	C324	254 4524 972	CE04W1H4R7MT SMG/RE3		
	C325	254 3056 933	CE04D1H3R3MBPT (SME)		
	C326	257 0510 905	CK73B1H272KT		
	C327	257 0509 945	CK73B1H122KT		
	C328	257 0509 961	CK73B1H152KT		
	C329	257 0510 905	CK73B1H272KT		
	C330	257 0509 987	CK73B1H182KT		
	C331	257 0510 905	CK73B1H272KT		
	C332	257 0510 963	CK73B1H822KT		
	C333	257 0516 909	CK73B1E223KT		
	C334	257 1011 953	CK73B1H273KT		
	C335	257 0506 993	CC73CH1H151JT		
	C336	254 3056 933	CE04D1H3R3MBPT (SME)		
	C338	257 0509 990	CK73B1H222KT		
	C339	255 1205 909	CQ93M1H272JT		
	C340	257 0511 904	CK73F1H103ZT		
	C341-343	257 0512 903	CK73F1E104ZT		
	C344	254 4536 915	CE04W1A470MT SMG/RE3		
	C345	254 4524 972	CE04W1H4R7MT SMG/RE3		
	C346	254 4538 900	CE04W1C100MT SMG/RE3		
	C347	255 1218 909	CQ93M1H333JT		
	C348	254 4538 900	CE04W1C100MT SMG/RE3		
	C349	257 0501 901	CK73B1H103KT (1608)		
	C350	253 9030 989	CK45=1E223KT		
	C351	255 1218 909	CQ93M1H333JT		
	C352	253 1131 909	CK45B2H391KT		
	C353	253 9030 989	CK45=1E223KT		
	C354	254 4538 939	CE04W1C470MT SMG/RE3		
	C355,356	257 0509 903	CK73B1H821KT		
	C357,358	257 0508 959	CC73CH1E681JT		
	C359	253 9037 908	CK45=1H104ZT(BC)		
★		255 1218 909	CQ93M1H333JT	2	
OTHER PARTS GROUP					
	CX031	205 0981 009	3P CONN BASE CB131		
	CX041	205 0981 012	4P CONN BASE CB141		
	CX051	205 0981 025	5P CONN BASE P=2.5		

	Ref. No.	Part No.	Part Name	Remarks	New
	CX131	205 0375 039	13P CONN.BASE(KR-PH)		
	CX151	205 0981 096	15P CONN BASE CN121		
	CX152	205 0375 055	15P CONN.BASE(KR-PH)		
	JK201	204 8498 106	4P RCA PIN JACK		
	JK202	204 8264 026	H/P JACK		
	JK203	204 8416 007	MINI JACK		
	L201,202	235 8005 069	INDUCTOR 153J		
	L203,204	239 0010 009	HX STEP UP COIL		
	L205-208	235 0020 916	INDUCTOR 822JT		
	L209	232 0109 003	MPX FILTER		
	L210	235 8005 069	INDUCTOR 153J		
	L211	232 0109 003	MPX FILTER		
	L212	235 8005 069	INDUCTOR 153J		
	L213	235 0060 950	INDUCTOR (100) ST		
	W001	203 0547 007	1P WIRE ASS		

KU-9324 POWER P.W.B. UNIT ASS'Y

	Ref. No.	Part No.	Part Name	Remarks	New
SEMICONDUCTORS GROUP					
	IC901	263 0810 008	NJM7808FA(S)		
	IC902	263 0503 001	NJM7908FA		
	IC903	263 0793 002	NJM7806FA(S)		
	TR311	272 0100 903	2SB562(C)TZ		
	TR312	269 0018 905	DTC143ES(4.7K-4.7K)T		
	TR313,314	273 0388 906	2SC1740S(E)-T		
	TR904	272 0100 903	2SB562(C)TZ		
	D517,518	276 0375 905	1N4148T77 (TAPE)		
	D901-904	276 0704 903	1SR35-400A(T93X)		
	D905,906	276 0375 905	1N4148T77 (TAPE)		
	D908	276 0375 905	1N4148T77 (TAPE)		
	D910,911	276 0704 903	1SR35-400A(T93X)		
	D914-917	276 0704 903	1SR35-400A(T93X)		
	ZD660	276 0368 019	HZ2C1		
	ZD907	276 0643 983	MTZJ5.1A T77		
	ZD912	276 0645 949	MTZJ27A T77		
	ZD913	276 0636 903	MTZJ8.2BT77		
RESISTORS GROUP					
	R324,325	241 2315 925	RD14B2E220GFRST		
CAPACITORS GROUP					
	C314	253 4536 909	CC45SL1H100DT(DD-3)		
	C317,318	254 4541 900	CE04W1E100MT SMG/RE3		
	C319	254 4541 942	CE04W1E101MT SMG/RE3		
	C320,321	255 4077 082	CQ93P2A222J		
	C322	255 4079 048	CQ93P2A103J		
	C323	255 1264 995	CQ93M1H562JT(B)		
	C324	255 4120 900	CQ93P2A682JT		
	C518	254 4623 909	CE04W1A472MT SMG/RE3		
	C902,903	254 4403 747	CE04W1E103MC (SMG)		
	C904,905	254 4536 928	CE04W1A101MT SMG/RE3		
	C906,907	253 9027 905	CK45=1E683MT		
	C908	254 4403 721	CE04W1E222MC (SMG)		
	C909	254 4403 734	CE04W1E472MC(SMG)		
	C910	254 4623 909	CE04W1A472MT SMG/RE3		
	C911	253 9027 905	CK45=1E683MT		
	C913	254 4525 751	CE04W1H471MC SMG/RE3		
	C914	254 4522 945	CE04W1V470MT SMG/RE3		
	C915	254 4522 958	CE04W1V101MT SMG/RE3		
	C917	254 4541 900	CE04W1E100MT SMG/RE3		
	C922	254 4524 972	CE04W1H4R7MT SMG/RE3		
OTHER PARTS GROUP					
	CB143	205 0981 009	3P CONN BASE CB131		
	CW191	204 6551 003	15P CON.WITH WIRE		

	Ref. No.	Part No.	Part Name	Remarks	New
⚠	CX021	205 0581 001	2P VH CONNECTOR BASE		
	L301	231 0078 005	OSC COIL		
⚠	LF901	239 8019 002	LINE FILTER COIL		
	W004	203 0638 000	1P WIRE		
	W005	203 0639 012	1P WIRE		
★		203 0301 036	1P CONTACT ASS	2	
★		417 0253 013	RADIATOR	2	
★		471 3304 015	3X8 CBS-Z	2	

1U-3580 DISPLAY P.W.B. UNIT ASS'Y

	Ref. No.	Part No.	Part Name	Remarks	New
SEMICONDUCTORS GROUP					
	IC501	262 2167 303	HD6433724F11F		
	IC805	499 0303 004	GP1UM271XK		
	TR501	269 0083 901	DTA114EKT96		
	TR502	269 0054 901	DTC144EKT96		
	TR503	269 0048 904	DTC143EK-T96		
	TR504	272 0100 903	2SB562(C)TZ		
	TR505	269 0048 904	DTC143EK-T96		
	TR506	272 0168 000	2SB1515		
	TR507	269 0048 904	DTC143EK-T96		
	TR508	272 0100 903	2SB562(C)TZ		
	TR509	269 0048 904	DTC143EK-T96		
	TR510	272 0168 000	2SB1515		
	TR511,512	269 0055 900	DTA144EKT96		
	TR518,519	269 0048 904	DTC143EK-T96		
	TR551,552	271 0309 905	2SA1037AKT146S		
	TR553	269 0048 904	DTC143EK-T96		
	D516	276 0644 937	MTZJ9.1A T77		
	D519	276 0644 937	MTZJ9.1A T77		
	D526	276 0375 905	1N4148T77 (TAPE)		
	D560,561	276 0375 905	1N4148T77 (TAPE)		
	D661,662	276 0375 905	1N4148T77 (TAPE)		
RESISTORS GROUP					
	R501	247 2007 943	RM73B--102JT		
	R503	247 2005 961	RM73B--181JT		
	R504	247 2006 915	RM73B--271JT		
	R507	247 2007 943	RM73B--102JT		
	R508	247 2005 945	RM73B--151JT		
	R509	247 2005 961	RM73B--181JT		
	R510	247 2006 915	RM73B--271JT		
	R511	247 2006 944	RM73B--391JT		
	R512	247 2007 943	RM73B--102JT		
	R513	247 2005 945	RM73B--151JT		
	R516	247 2006 944	RM73B--391JT		
	R517	247 2007 901	RM73B--681JT		
	R518	247 2009 912	RM73B--512JT		
	R519	247 2007 914	RM73B--751JT		
	R520	247 2008 926	RM73B--222JT		
	R523-527	247 2009 983	RM73B--103JT		
	R528	247 2007 943	RM73B--102JT		
	R529	247 2009 983	RM73B--103JT		
	R531,532	247 2011 942	RM73B--473JT		
	R545	247 2009 983	RM73B--103JT		
	R546	247 2010 956	RM73B--203JT		
	R550	247 2009 983	RM73B--103JT		
	R551	247 2006 960	RM73B--471JT		
	R552	247 2008 926	RM73B--222JT		
	R553	247 2012 925	RM73B--104JT		
	R554	247 2006 960	RM73B--471JT		
	R558	247 2007 972	RM73B--132JT		
	R559-567	247 2009 909	RM73B--472JT (1608)		
	R568	247 2014 965	RM73B--105JT		
	R571	247 2009 983	RM73B--103JT		

	Ref. No.	Part No.	Part Name	Remarks	New
	R572	247 2008 926	RM73B--222JT		
	R581,582	247 2007 943	RM73B--102JT		
	R583,584	247 2011 955	RM73B--513JT		
	R597	247 2007 943	RM73B--102JT		
	R598,599	247 2009 983	RM73B--103JT		
	R661	247 2014 965	RM73B--105JT		
CAPACITORS GROUP					
	C501	254 4260 061	CE04W1H3R3M (SME)		
	C502	254 4260 058	CE04W1H2R2M (SME)		
	C503	254 4536 931	CE04W1A221MT SMG/RE3		
	C504	254 4252 037	CE04W1A101M (SME)		
	C506	257 0512 903	CK73F1E104ZT		
	C507-510	257 0511 904	CK73F1H103ZT		
	C546	257 0512 903	CK73F1E104ZT		
	C547,548	257 0511 904	CK73F1H103ZT		
	C549	254 4536 915	CE04W1A470MT SMG/RE3		
OTHER PARTS GROUP					
	CY131	205 0375 039	13P CONN.BASE(KR-PH)		
	CY152	205 0375 055	15P CONN.BASE(KR-PH)		
	FL501	393 8022 005	BJ369GK		
	RT551	211 6047 094	V06PB102		
	RT552	211 6047 007	V06PB222		
	RT553	211 6047 094	V06PB102		
	RT554	211 6047 007	V06PB222		
	SW501-519	212 5608 000	TACT SW		
	SW520-522	212 8007 006	SLIDE SWITCH		
	SW523	212 1039 000	1P PUSH SW.		
	W501,502	203 0720 002	1P CONTACT ASS'Y		
	XT501	399 0825 907	CSTLS4M19G56-A0		
★		125 9002 010	UL TUBE (L=5)	1	
★		129 9025 002	FLD PAD	3	
★		002 0061 003	5C RIBBON CABLE	3	
★		002 0061 016	8C RIBBON CABLE	1	

1U-3158 LED P.W.B. UNIT ASS'Y

Ref. No.	Part No.	Part Name	Remarks	New	
SEMICONDUCTORS GROUP					
	LD301-306	393 9632 902	LED(SML-010DT)		

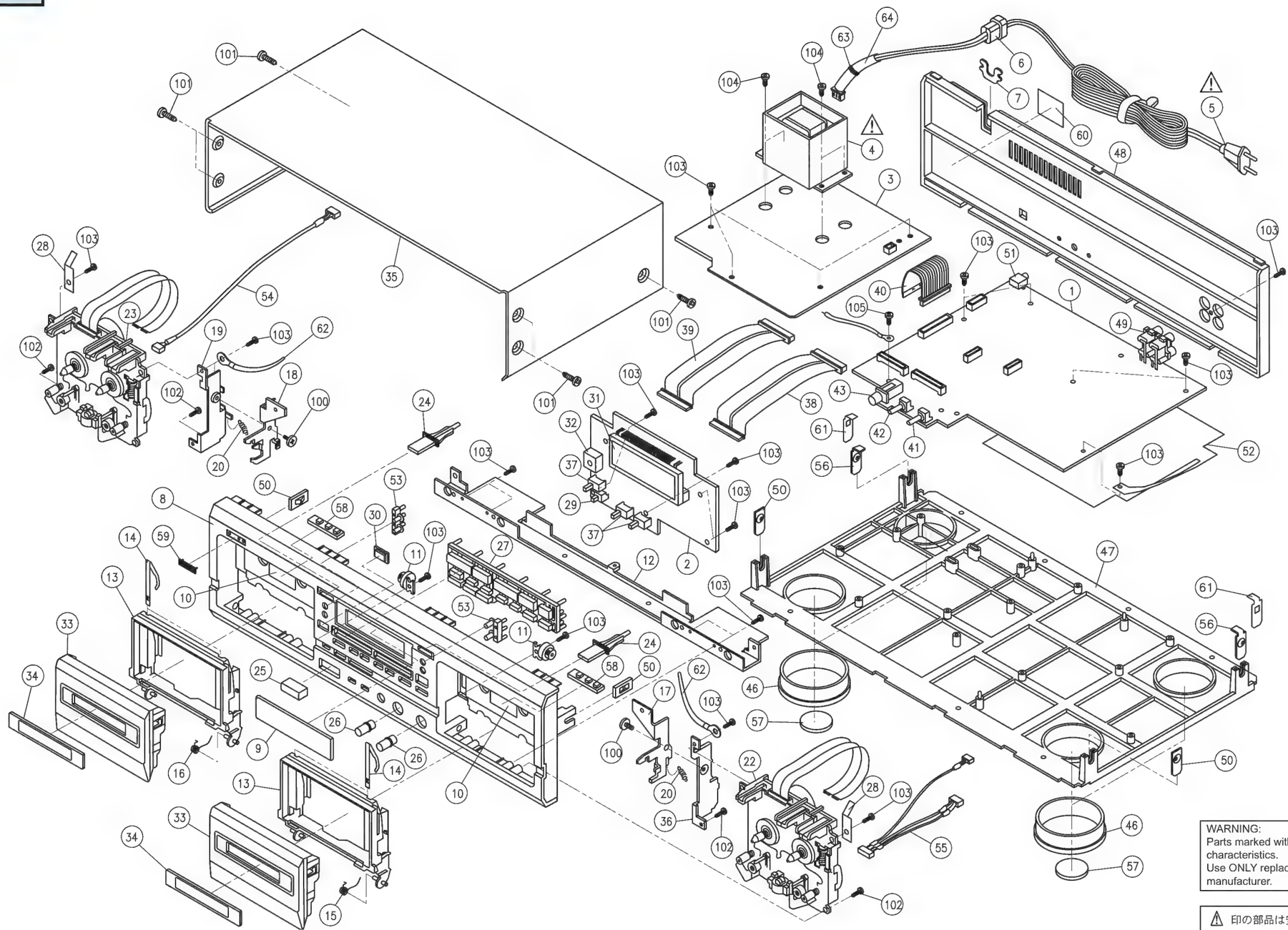
PARTS LIST OF EXPLODED VIEW

	Ref. No.	Part No.	Part Name	Remarks	Q'ty	New
	1	1U-3581	AUDIO PWB UNIT		1	*
	3	KU-9324	POWER PWB UNITIT		1	*
	2	1U-3580	DISPLAY PWB UNIT		1	*
	58	1U-3158	LED PWB UNIT		2	
⚠	4	233 9676 006	POWER TRANS (E2)		1	
⚠	5	206 2089 106	AC CORD W/CON.E2	Europe model	1	
⚠	5	206 2128 009	AC CORD W/CON EK	U.K. model	1	
	6	445 0056 008	CORD BUSH		1	
	7	412 2008 012	BUSHING PLATE		1	
	8	146 2322 024	FRONT PANEL	Black model	1	*
	8	146 2322 037	FRONT PANEL	Gold model	1	*
	9	143 9180 008	METER WINDOW		1	
	10	129 0248 008	INDICATE SHEET	Black model	2	
	10	129 0248 011	INDICATE SHEET	Gold model	2	
	11	421 9007 007	MINI DAMPER		2	
	12	415 9086 201	FRONT STAY		1	
	13	103 1372 612	CASSETTE DOOR		2	
	14	463 9079 000	CASSETTE SPRING		4	
	15	463 0659 018	BOX SPRING (R)		1	
	16	463 0660 010	BOX SPRING (L)		1	
	17	412 9447 304	EJECT LEVER(B)		1	
	18	412 9446 305	EJECT LEVER(A)		1	
	19	412 9448 206	LEVER STAY (A)		1	
	20	463 9080 002	SPRING		1	
	20	463 9080 002	SPRING		1	
	22	338 0182 124	CASSETTE MECHA(A)	REC	1	
	23	338 0183 123	CASSETTE MECHA(B)	PB	1	
	24	113 9313 007	EJECT KNOB	Black model	2	
	24	113 9313 010	EJECT KNOB	Gold model	2	
	25	113 9314 307	POWER KNOB	Black model	1	
	25	113 9314 323	POWER KNOB	Gold model	1	
	26	112 9136 003	VOL KNOB	Black model	2	
	26	112 9136 016	VOL KNOB	Gold model	2	
	27	113 1851 020	FUNCTION KNOB	Black model	1	
	27	113 1851 017	FUNCTION KNOB	Gold model	1	
	28	414 0595 015	EARTH PLATE		2	
	29	212 1039 000	1P PUSH SWITCH	SW523	1	
	30	143 9181 007	REMOCON WINDOW		1	
	31	393 8022 005	FL TUBE	FL501/BJ369GK	1	
	32	499 0303 004	REMOTE SENSOR	IC805/GP1UM271XK	1	
	33	103 1726 006	C. DOOR	Black model	2	
	33	103 1726 019	C. DOOR	Gold model	2	
	34	143 1041 006	C. WINDOW		2	
	35	102 9050 205	TOP COVER	Black model	1	
	35	102 9050 221	TOP COVER	Gold model	1	*
	36	412 9449 205	LEVER STAY (B)		1	
	37	212 8007 006	SLIDE SWITCH	SW520-522	3	
	38	204 6759 009	15P PH-PH CON.CORD		1	
	39	204 6758 000	13P PH-PH CON.CORD		1	
	40	204 6551 003	15P CONNECTOR WITH WIRE	CW191	1	
	41	211 0707 000	VARIABLE 100KOHM	VR210	1	
	42	211 0706 001	VARIABLE 1KOHM	VR202	1	
	43	204 8264 026	H/P JACK	JK202	1	
	46	113 1228 035	FOOT CAP		4	
	47	411 9142 402	CHASSIS		1	
	48	105 1315 109	BACK PANEL		1	
	49	204 8498 106	4P RCA PIN JACK	JK201 / C14-RS-443-01	1	
	50	409 9006 008	ATTACH PLATE		4	

	Ref. No.	Part No.	Part Name	Remarks	Q'ty	New
	51	204 8416 007	MINI JACK	JK203	1	
	52	414 9187 000	SHIELD SHEET		1	
	53	113 9316 101	PUSH KNOB	Black model	1	
	53	113 9316 114	PUSH KNOB	Gold model	1	
	54	203 5121 004	3P CONN.WITH WIRE		1	
	55	204 0496 009	6P CONN.WITH WIRE		1	
	56	409 9005 009	ATTACH PLATE(B)		2	
	57	461 0410 109	RUBBER PAD		4	
	59	131 0158 007	DENON BADGE	Black model	1	
	59	131 0158 010	DENON BADGE	Gold model	1	
	60	513 3931 009	RATING SHEET		1	*
	61	414 9198 002	EARTH PLATE		2	
	62	445 0048 003	CORD HOLDER (L76)		2	
	63	445 8004 007	WIRE CLAMPER		4	
	64	415 0585 015	UL TUBE (16) BK L=30		1	
★		415 0927 000	PVC SHEET		2	
★		445 8028 009	CORD HOLDER		1	
★		001 0238 011	VINYL WIRE		1	*
SCREWS						
	100	473 8047 001	SPECIAL SCREW		2	
	101	473 7509 016	4X10 CBTS (P)-B	Black model	6	
	101	473 7503 041	4X10 CTTS (P) NI	Gold model	6	
	102	473 7002 021	3X8 CBTS (S)-B		4	
	103	473 7500 044	3X8 CBTS (P)-B		26	
	104	473 7502 013	4X10 CBTS (P)-Z		4	
	105	473 7002 018	3X8 CBTS (S)-Z		1	
PACKING & ACCESSORIES (Not included EXPLODED VIEW.)						
★	201	505 0038 030	POLY COVER		1	
★	202	203 2360 004	2P PIN CORD		2	
★	203	203 5013 002	3P MINI PLUG CORD		1	
★	204	511 4088 007	INST. MANUAL		1	*
★	205	515 0921 209	S.S.LIST(EX)		1	
★	206	505 8092 010	LAMINATE ENVELOPE		1	
★	207	503 9282 108	CUSHION		2	
★	208	502 9130 008	PAD ASS'Y	U.K. model	1	
★	209	501 2243 009	CARTON CASE	Europe model	1	*
★	209	501 2243 012	CARTON CASE	U.K. model	1	*
★	210	-	E2 POS LABEL	Europe model	1	*
★	210	-	EK POS LABEL	U.K. model	2	*
★	211	-	CONT.CARD(L)SUB ASSY		1	*
★	212	513 9111 001	COLOR LABEL (GOLD)	Gold model	2	

EXPLODED VIEW

Parts List

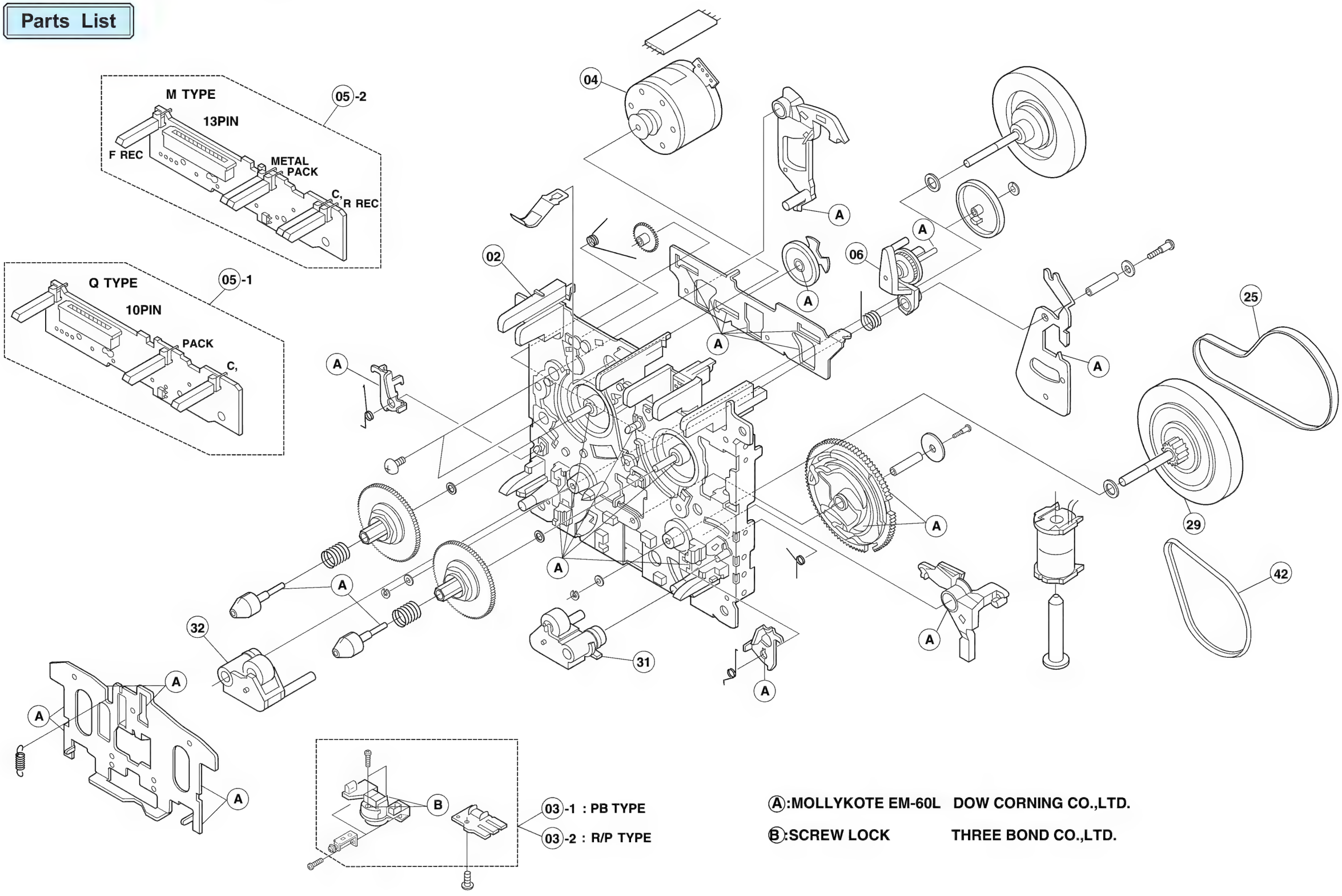


WARNING:
Parts marked with this symbol ⚠ have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.

⚠ 印の部品は安全を維持するために重要な部品です。従って交換時は必ず指定の部品を使用してください。

EXPLODED VIEW OF CASSETTE MECHANISM

Parts List



Ⓐ:MOLLYKOTE EM-60L DOW CORNING CO.,LTD.

Ⓑ:SCREW LOCK THREE BOND CO.,LTD.

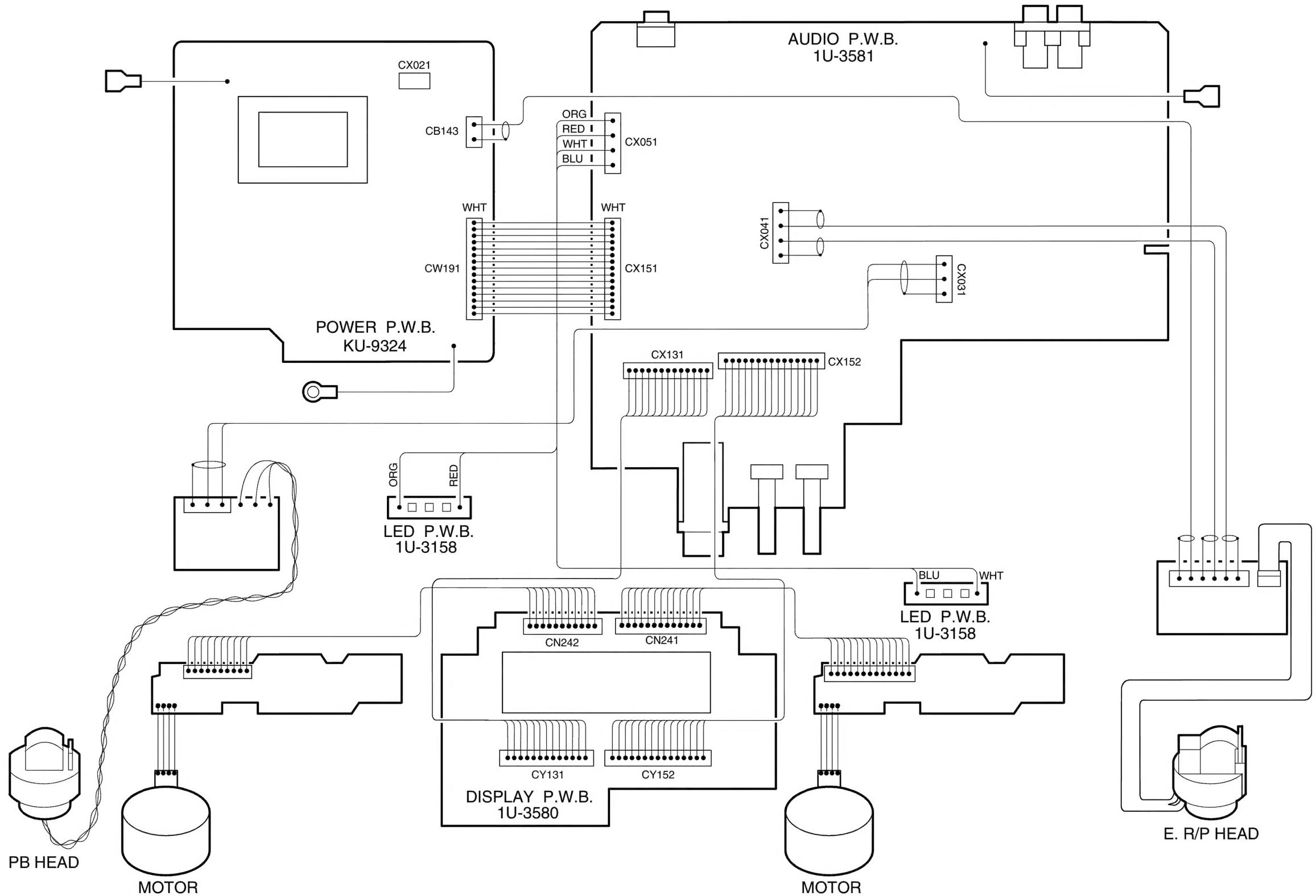
PARTS LIST OF CASSETTE MECHANISM EXPLODED VIEW

338 0183 123 CASSETTE MECHA CMAL2Z098B PLAY BACK ONLY

338 0182 124 CASSETTE MECHA CMAL2Z099B REC/PLAY BACK

Ref. No.	Part No.	Part Name	Remarks	Q'ty
03-1	9DF 5138 11	Plate HD BLK (338 0183 026)		1
03-2	9DF 5138 10	Plate HD BLK (338 0182 027)		1
04	9DF 5253 04	MTR main BLK		1
05-1	9DF 5675 81	P.W.B. control BLK(338 0183 026)		1
05-2	9DF 5675 89	P.W.B. control BLK(338 0182 027)		1
06	9DF 5220 37	Clutch Ass'y		1
25	9DF F17G 31	Belt main		1
29	9DF 5220 55	Flywheel		1
31	9DF 5141 29	Roller pinch BLK		1
32	9DF 5141 30	Roller pinch BLK		1
42	9DF F18W 12	F/R belt		1

WIRING DIAGRAM



NOTE FOR SCHEMATIC DIAGRAM

WARNING:
Parts marked with this symbol ⚠ have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.

CAUTION:
Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the unit is defective.

WARNING:
DO NOT return the unit to the customer until the problem is located and corrected.

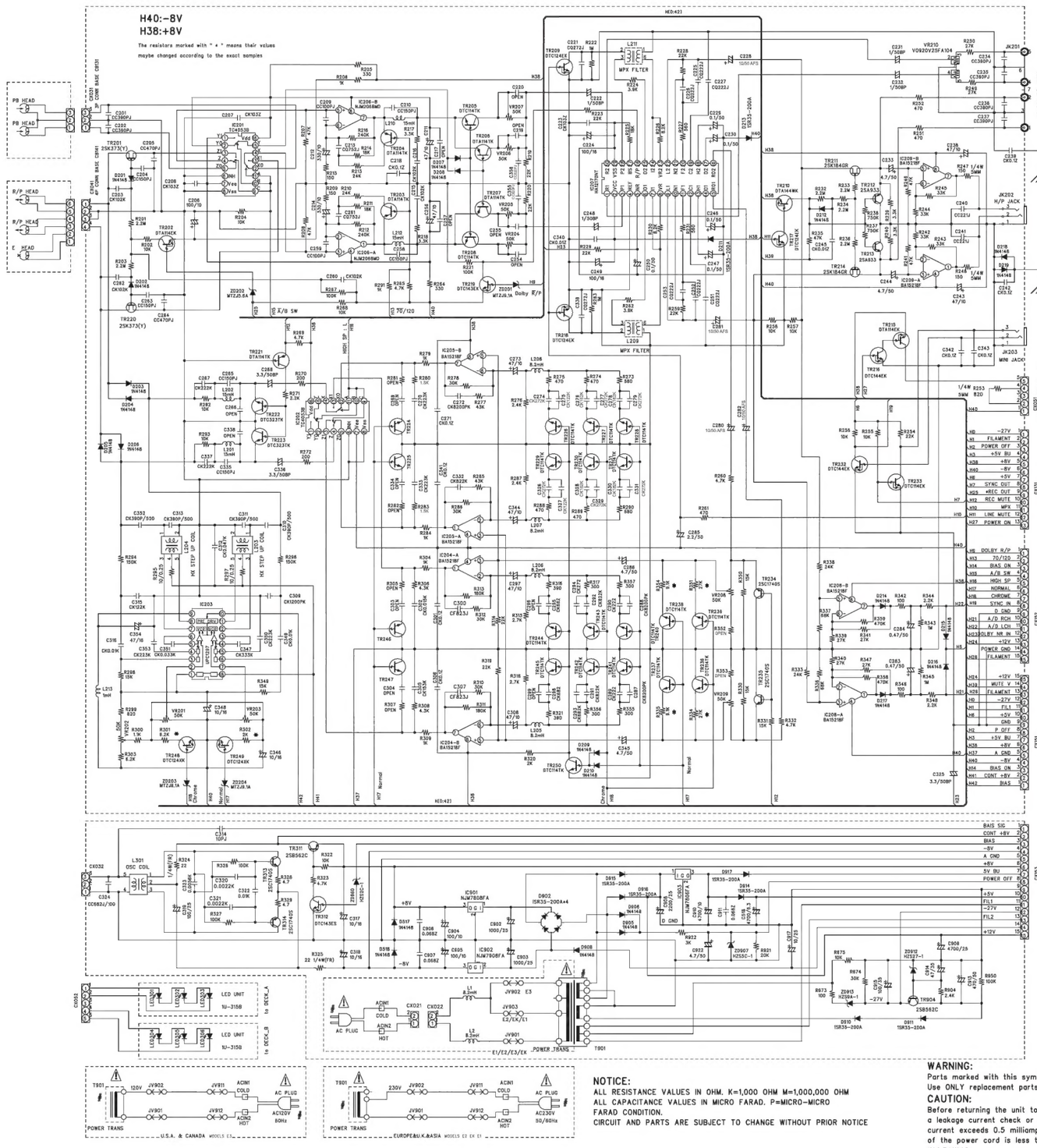
NOTICE:
ALL RESISTANCE VALUES IN OHM. k=1,000 OHM
M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD.
P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

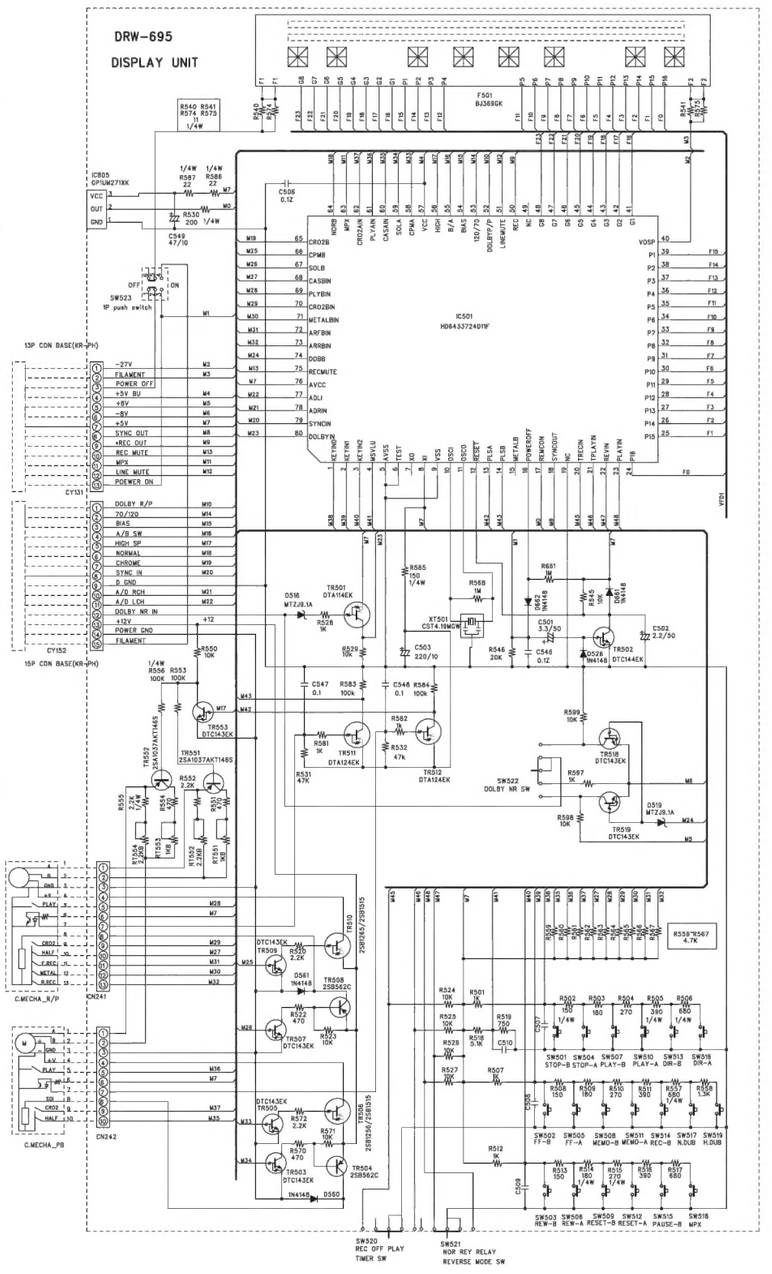
配線図について

⚠印の部品は安全を維持するために重要な部品です。
従って交換時は必ず指定の部品を使用してください。

注）
(1) 指定なき抵抗値は Ω、k は kΩ、M は MΩ を示す。
(2) 指定なきコンデンサーの値は μF、p は pF を示す。
(3) 各部の電圧は無信号の値を示す。
(4) この配線図は基本配線図です。改良等のため変更することがありますのでご了承ください。

SCHEMATIC DIAGRAM





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SCHEMATIC DIAGRAM